



STIC Search Report

Biotech-Chem Library

STIC Database Tracking Number: 117334

TO: Michael Borin
Location: REM/2A55/2C70
Art Unit: 1631
Monday, March 29, 2004

Case Serial Number: 10/035212

From: Peggy Ruppel
Location: Biotech-Chem Library
Phone: 571-272-2557
REM E01b65
peggy.ruppel@uspto.gov

Search Notes

Dear Examiner Borin:

The results for your search request are attached.

Feel free to contact me if you have any questions.

Thank you for using STIC services.

Peggy Ruppel
2-2557



STIC SEARCH RESULT FEEDBACK FORM

Biotech-Chem Library

Questions about the scope or the results of the search? Contact *the searcher* or *contact:*

Mary Hale, Information Branch Supervisor
308-4258, CM1-1E01

Voluntary Results Feedback Form

➤ I am an examiner in Workgroup: Example: 1610

➤ Relevant prior art found, search results used as follows:

- ☐ 102 rejection
- ☐ 103 rejection
- ☐ Cited as being of interest.
- ☐ Helped examiner better understand the invention.
- ☐ Helped examiner better understand the state of the art in their technology.

Types of relevant prior art found:

- ☐ Foreign Patent(s)
- ☐ Non-Patent Literature
(journal articles, conference proceedings, new product announcements etc.)

➤ Relevant prior art **not** found:

- ☐ Results verified the lack of relevant prior art (helped determine patentability).
- ☐ Results were not useful in determining patentability or understanding the invention.

Comments:

Drop off or send completed forms to STIC/Biotech-Chem Library CMI - Ctr. Desk



GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: March 24, 2004, 22:29:26 ; Search time 22 seconds
(without alignments)
734.497 Million cell updates/sec

Title: US-09-900-038A-1
Perfect score: 1590
Sequence: 1 MYSIIMSVNEPLNYRDS.....LINDINILVLKFGGEKQSD 313

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 389414

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents AA:*
1: /cgn2_6/ptcdat2/iaa/5A COMB.pep.*
2: /cgn2_6/ptcdat2/iaa/5B COMB.pep.*
3: /cgn2_6/ptcdat2/iaa/6A COMB.pep.*
4: /cgn2_6/ptcdat2/iaa/6B COMB.pep.*
5: /cgn2_6/ptcdat2/iaa/PTUS COMB.pep.*
6: /cgn2_6/ptcdat2/iaa/backfiles1.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	234	14.7	301	4	US-09-495-406-15
2	216	13.6	534	4	US-09-134-000C-5087
3	214.5	13.5	1056	4	US-09-134-000C-5086
4	210.5	13.2	348	1	US-08-312-387B-3
5	210.5	13.2	348	1	US-08-312-387B-11
6	210.5	13.2	348	1	US-08-683-426-3
7	210.5	13.2	348	1	US-08-683-426-11
8	210.5	13.2	348	1	US-08-683-458-3
9	210.5	13.2	348	1	US-08-683-458-11
10	210.5	13.2	348	2	US-08-878-360-3
11	210.5	13.2	348	2	US-08-878-360-11
12	210.5	13.2	348	3	US-08-478-140B-3
13	210.5	13.2	348	3	US-08-478-140B-8
14	210.5	13.2	348	4	US-09-333-412-3
15	210.5	13.2	348	4	US-09-333-412-11
16	210.5	13.2	348	4	US-09-338-943-3
17	210.5	13.2	348	4	US-09-338-943-8
18	208	13.1	301	4	US-09-252-991A-33096
19	200	12.6	270	4	US-09-495-406-25
20	199	12.5	416	4	US-09-489-039A-8195
21	190.5	12.0	333	4	US-09-107-532A-5123
22	187.5	11.8	277	4	US-09-107-532A-7213
23	186.5	11.7	327	4	US-09-107-532A-6181
24	184	11.6	303	4	US-09-495-406-17
25	176.5	11.1	337	1	US-08-312-387B-5
26	176.5	11.1	337	1	US-08-312-387B-12
27	176.5	11.1	337	1	US-08-683-426-5

28	176.5	11.1	337	1	US-08-683-426-12	Sequence 12, Appl
29	176.5	11.1	337	1	US-08-683-458-5	Sequence 5, Appl
30	176.5	11.1	337	1	US-08-683-458-12	Sequence 12, Appl
31	176.5	11.1	337	2	US-08-878-360-5	Sequence 5, Appl
32	176.5	11.1	337	2	US-08-878-360-12	Sequence 12, Appl
33	176.5	11.1	337	3	US-08-478-140B-5	Sequence 5, Appl
34	176.5	11.1	337	3	US-09-333-412-5	Sequence 5, Appl
35	176.5	11.1	337	4	US-09-333-412-12	Sequence 12, Appl
36	176.5	11.1	337	4	US-09-338-943-5	Sequence 5, Appl
37	171.5	10.8	721	4	US-09-107-532A-6889	Sequence 6889, Ap
38	168	10.6	702	4	US-09-437-277-1	Sequence 1, Appl
39	165	10.4	248	4	US-09-107-532A-4568	Sequence 4568, Ap
40	165	10.4	965	4	US-09-437-277-3	Sequence 3, Appl
41	161	10.1	324	1	US-08-597-236-10	Sequence 10, Appl
42	161	10.1	324	1	US-08-746-682A-10	Sequence 10, Appl
43	160.5	10.1	303	4	US-09-252-991A-29155	Sequence 29155, A
44	160	10.1	281	3	US-08-961-083-196	Sequence 196, App
45	160	10.1	281	4	US-09-536-784-196	Sequence 196, App

ALIGNMENTS

RESULT 1
US-09-495-406-15
; Sequence 15, Application US/09495406
; Patent No. 6503744
; GENERAL INFORMATION:
; APPLICANT: Gilbert, Michel
; APPLICANT: Makarchuk, Warren W.
; APPLICANT: National Research Council of Canada
; TITLE OF INVENTION: Campylobacter Glycosyltransferases for Biosynthesis of
; TITLE OF INVENTION: Gangliosides and Ganglioside Mimics
; FILE REFERENCE: 019633-000110US
; CURRENT APPLICATION NUMBER: US/09/495,406
; CURRENT FILING DATE: 2000-01-31
; PRIOR APPLICATION NUMBER: US 60/116,213
; PRIOR FILING DATE: 1999-02-01
; NUMBER OF SEQ ID NOS: 35
; SOFTWARE: Patent In Ver. 2.1
; SEQ ID NO 15
; LENGTH: 301
; TYPE: PRT
; ORGANISM: Campylobacter jejuni
US-09-495-406-15

Query Match	14.7%	Score 234;	DB 4;	Length 301;
Best Local Similarity	28.2%	Pred. No. 1.3e-13;		
Matches	88;	Conservative 53;	Mismatches 135;	Indels 36; Gaps 13;
Qy	4	SIIMSVNEPLNYRDSVESILNQTLDPEFIIVTDNPSRGDLKQFLTEYSVDNRKIL	63	
Db	5	SIILPTNYVE-QYIARAIESCINQTFKDIE-IIVDDCGNDNSINIAKEYSKDKRIKII	62	
Qy	64	LINEENIGLASSINKAVKISGEYIFRMDADDISYPSRFDKQIRFMEENSLDFSATLIEL	123	
Db	63	HNEKNGLLRARVEGVKANSFYIMFLDPDDYLELNACEEGIKILDEQ-EVDLVEFNAL	121	
Qy	124	DQGNLVIYQRESNK-IYLTNDIRKLNRSILHAFTW--CVKKKVPDKLMGYRDLVPE	180	
Db	122	VESNVISYKKDFNFGYSKKFEVKIIAKNLNWTMMGLIRKKLYLEA-----	171	
Qy	181	DYDFAIRGALADPKIIGLLNKLVLQVRLNENGISQTNFKQIYSAILODFYKEKSYDIT	240	
Db	172	---FASLRLEKDVKNMAEDVLLYPM-----LSQAQKTA--YMNCLYHYVPNNNSICNT	222	
Qy	241	K-----ITNYFQBYIVKKRYTQOE--LSKYFELKSTPSTIR-KLYICLYLYFKSPLVRL	293	
Db	223	KNEVLVKNIQELQVLNLYRQNYLKNKYC---SVLYVLYKLYLIQIYKIKRTKLAVTL	279	
Qy	294	LINDINILVLKL	305	
Db	280	LAK-INILTLKI	290	

```

RESULT 2
US-09-134-000C-5087
; Sequence 5087, Application US/09134000C
; Patent No. 6617156
; GENERAL INFORMATION:
; APPLICANT: Lynn Doucette-Stamm et al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO
; TITLE OF INVENTION: ENTEROCOCCUS FAECALIS FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 032796-032
; CURRENT APPLICATION NUMBER: US/09/134,000C
; CURRENT FILING DATE: 1998-08-13
; PRIOR APPLICATION NUMBER: US 60/055,778
; PRIOR FILING DATE: 1997-08-15
; NUMBER OF SEQ ID NOS: 6812
; SOFTWARE: Patentin version 3.1
; SEQ ID NO 5087
; LENGTH: 534
; TYPE: PRT
; ORGANISM: Enterococcus faecalis
US-09-134-000C-5087

```

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Query Match      13.6%; Score 216; DB 4; Length 534;
Best Local Similarity 23.3%; Pred. No. 1.3e-11;
Matches          79; Conservative 64; Mismatches 138; Indels 58; Gaps 10;

QY      4 STIMSVNPELNRYRDSVESILNQTLTDFEFIIVIDNPSRGDLKQPLTEYSVVDNRKIL 63
      ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db     196 STAMPVYNVESKWLRLCIDSILNQVYNWELCWADDASTDPNVKILTEYQOQLERIKW 255
      ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

QY      64 LNEENIGLASSINLAVKISKEYIFRMDADDISVPSRFQKQIRFMEN-SLDFSGATIEL 122
      ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db     256 FREQNGHISEATNSALATAGEFVALDNDDELAINAFYEVVKVLNEPELILYSDEK 315
      ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

QY      123 IDQKNLVYKORESNKYLTNDIRKMLNRSILAHPTWCVKKKVDFKLMGYR-DLVVPVED 181
      ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db     316 IDMDGN-----RSDPAFKPDWSPDLLLGTNYISH-LGVYRSILSEEIGGFRKGYEQSD 368
      ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

QY      182 YDPATRGALADFK--IGLLNKVILQPLNENGISQTNKPKQIYSA----- 225
      ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db     369 YDLVLRFTKTKTKERIKHPIKVLVYWRMLPSTAVDQGSKGVAPEAGIRAVQDALVRGI 428
      ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

QY      226 -----ILQDFVKEK-----SYDITKINYEQVVIKKRYTQOELS 261
      ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db     429 NGHATHGAANGLYDVYVYDISEKLVSIITPKNGYKDVQRCVSSIIIE---KTTQNYEI- 484
      ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

QY      262 KYVELKSTPSTIRKLYICLYLFKSPVLRRLINDINI 300
      ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db     485 -----IMADNGSTDPKMHE-LYAEPECOLPGRFFVESIDI 518
      ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

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RESULT 3
US-09-134-000C-5086
; Sequence 5086, Application US/09134000C
; Patent No. 6617156
; GENERAL INFORMATION:
; APPLICANT: Lyvon Doucette-Stamm et al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO
; ENTEROCOCCUS FAECALIS FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 032796-032
; CURRENT APPLICATION NUMBER: US/09/134,000C
; CURRENT FILING DATE: 1998-08-13
; PRIOR APPLICATION NUMBER: US 60/055,778
; PRIOR FILING DATE: 1997-08-15
; NUMBER OF SEQ ID NOS: 6812
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 5086
; LENGTH: 1056
; TYPE: PRT
; ORGANISM: Enterococcus faecalis
US-09-134-000C-5086

```

Query Match	13.5%	Score	214.5	DB	4	Length	1056
Best Local Similarity	23.1%	Pred. No.	4.8e-11				
Matches	69	Conservative	58	Mismatches	131	Indels	41
						Gaps	6
Qy	4	SIIMSVYNEPNIYVRDSVESILNQTLDTFEIIIVINPISRGDLKQPLTEYSVVVDNRKIL	63				
Db	566	SVAVPVYVEEKWLAACVSSIQNYENWELCLADDASPSEHKPMLEKYKELDQRIKVI	625				
Qy	64	LNENIGLASSLNKAVISKGEYIPRDADDISYPSRFQKQIRFME-ENSLDIFSATLIEL	122				
Db	626	YREENGHISEATNSGALSITATGDFIGFNDODELAPQALYEVVKALNTDPTIDFLYTDDEK	685				
Qy	123	IDQGNLYVKORESNKIYTLTDIRKMLNRSILAHPTWCYKKKVFQKLMGYRDLV-PVED	181				
Db	686	ITENG-----RRFNARYKSDWNPDELILNHNITTFV-VYRDLLEKVGGLNSAYNGAD	738				
Qy	182	YDFATRGALADFKIGLLNKVLQYLRNENIGISQTNFKQYIYA---ILQDFYKKSYYID	238				
Db	739	YDFVLRAETEATKIKHPGMMYHWRALTESLTALNPBSKGYAVVAGOKVQAATERGLKA	798				
Qy	239	ITKINYTFQEVIVKCRVTOQBSLYFKELKTPSITIRKLYICLYLYFKSPLVRRLLIND	297				
Db	799	OVIEIAEFYSGYKIN-----YLDHVPWVSLIITND	828				

```

RESULT 4
US 08-112-387B-3
; Sequence 3, Application US/08312387B
; Patent No. 5545553
; GENERAL INFORMATION:
; APPLICANT: Gotschlich, Emil C.
; TITLE OF INVENTION: GLYCOSYLTRANSFERASES FOR BIOSYNTHESIS OF
; TITLE OF INVENTION: OLIGOSACCHARIDES, AND GENES ENCODING THEM
; NUMBER OF SEQUENCES: 12
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Klauber & Jackson
; STREET: 411 Hackensack Avenue
; CITY: Hackensack
; STATE: New Jersey
; COUNTRY: USA
; ZIP: 07601
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:

```

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CURRENT APPLICATION DATA: US/08/312,387B-3
APPLICATION NUMBER: US/08/312,387B-3
FILING DATE: July 7, 1994
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Jackson Esq., David A.
REGISTRATION NUMBER: 26,742
REFERENCE/DOCKET NUMBER: 600-1-095
TELECOMMUNICATION INFORMATION:
TELEPHONE: 201 487-5800
TELEFAX: 201 343-1684
TELEX: 133521
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 348 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-312-387B-3

```

```

Query Match      13.2%   Score 210.5; DB 1; Length 348;
Best Local Similarity 27.8%; Pred. No. 2.3e-11;
Matches 86; Conservative 55; Mismatches 123; Indels 45; Gaps 15;

QY 4 SIISVYNEPLNYVRDVSILNQTLTDFEPIVIDNPSRGDKLFTLEYSVVDNRKIL 63
   |||  |||  |||  |||  |||  |||  |||  |||  |||  |||  |||  |||  |||
   |||  |||  |||  |||  |||  |||  |||  |||  |||  |||  |||  |||

Db 6 SVLCAYNVE-KYFAQSLAAVNVOTWRNLIDILVDDGSDGTL-AIAKDQFGDSRKIL 63
   |||  |||  |||  |||  |||  |||  |||  |||  |||  |||  |||  |||
   |||  |||  |||  |||  |||  |||  |||  |||  |||  |||  |||  |||

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GenCore version 5.1.6
Copyright (c) 1993 - 2004 Compugen Ltd.

OM protein - protein search, using sw model

Run on: March 26, 2004, 04:14:20 ; Search time 250 Seconds
(without alignments)

176.690 Million cell updates/sec

Title: US-10-035-212-2_COPY_69_208

Perfect score: 748

Sequence: 1 SYNHLQDVRWRKLFSTFKY.....GQTRKNTSAFLPMVHVS 140

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1017041 segs, 315518202 residues

Total number of hits satisfying chosen parameters: 1017041

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

SPTREMBL 25: *
1: sp_archaea: *
2: sp_bacteria: *
3: sp_fungi: *
4: sp_human: *
5: sp_invertebrate: *
6: sp_mammal: *
7: sp_mhc: *
8: sp_organelle: *
9: sp_phage: *
10: sp_plant: *
11: sp_rodent: *
12: sp_virus: *
13: sp_vertebrate: *
14: sp_unclassified: *
15: sp_rvirus: *
16: sp_bacteriaph: *
17: sp_archaeap: *

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	748	100.0	170	4	Q8NF19
2	748	100.0	208	6	Q95K97
3	738	98.7	208	8	Q96P59
4	732.5	97.9	213	6	Q9N1B9
5	664	88.8	212	13	O42407
6	575.5	76.9	154	6	Q866R6
7	551	73.7	201	13	Q8QG59
8	497	66.4	111	13	Q90Y71
9	480	64.2	112	13	Q90XP9
10	476	63.6	201	13	Q8AY90
11	474	63.4	134	13	Q90XQ3
12	457	61.1	191	13	Q800L8
13	437	58.4	162	11	Q8V179
14	395.5	52.9	194	11	Q8G386
15	378.5	50.6	186	6	Q95147
16	373.5	49.9	185	11	Q9ERN5

17 353.5 47.3 245 11 Q8R5L9
18 325 43.4 208 6 Q95L12
19 320 42.8 208 13 Q7ZZN4
20 319 42.6 207 11 Q9ERQ5
21 312 41.7 207 11 Q9ESL8
22 309 41.3 129 4 O60371
23 305 40.8 212 11 Q9ESL9
24 304 40.6 208 13 Q9PVV1
25 302 40.4 211 11 Q8C7A8
26 302 40.4 212 11 Q9EST9
27 281.5 37.6 97 4 Q9NSJ0
28 265.5 35.5 268 4 Q8NF90
29 253.5 33.9 191 13 Q9DFC9
30 252 33.7 297 5 Q816J4
31 251 33.6 199 13 Q91AI3
32 251 33.6 245 13 Q9W6A2
33 250 33.4 236 13 Q804S4
34 249 33.3 192 11 Q9ERW3
35 248 33.2 245 11 Q8VCY9
36 245.5 32.8 196 13 Q9YH31
37 244.5 32.7 124 13 Q90XQ5
38 244 32.6 181 13 Q91AI7
39 244 32.6 243 13 Q9W6A1
40 242 32.4 127 4 Q95517
41 241.5 32.3 195 11 Q8C399
42 241 32.2 181 4 Q8TEG5
43 241 32.2 181 11 Q924B4
44 240.5 32.2 208 11 Q8R5L5
45 238 31.8 73 6 Q97573

ALIGNMENTS

RESULT 1

Q8NF19 ID Q8NF19 PRELIMINARY; PRT; 170 AA.

AC Q8NF19; 2002 (TREMELrel. 22, Created)
DT 01-OCT-2002 (TREMELrel. 22, Last sequence update)
DT 01-OCT-2003 (TREMELrel. 25, Last annotation update)
DE Fibroblast growth factor 10 (Fragment).
GN FGF10.
OS Homo sapiens (Human).
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
OX NCBI_TaxID=9606;
RN [1]
RP SEQUENCE FROM N.A.
RC TISSUE=Bladder;
RX PubMed=11923311;
RA Bagal S., Rubio E., Cheng J.F., Sweet R., Thomas R., Fuchs E.,
Grady R., Mitchell M., Bassuk J.A.;
RT "Fibroblast Growth Factor-10 Is a Mitogen for Urothelial Cells.";
RL J. Biol. Chem. 277:23828-23837(2002).
DR EMBL; AF508782; AAM45926.1;
DR GO; GO:0008083; F.growth factor activity; IEA.
DR InterPro; IPR008996; Cytok_IL1_like.
DR InterPro; IPR02348; IL1_HBGF.
DR Pfam; PF00167; FGF; i.
DR PRINTS; PR00262; IL1HBGF.
DR ProDom; PD00831; IL1 HBGF; 1.
DR SMART; SM00442; FGF; i.
DR PROSITE; PS00247; HBGF_FGF; 1.
FT NON TER 1 1
SQ SEQUENCE 170 AA; 19195 MW; 4EA43515F758327A CRC64;

Query Match 100.0%; Score 748; DB 4; Length 170;
Best Local Similarity 100.0%; Pred. No. 4.1e-61;
Matches 140; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 SYNHLQDVRWRKLFSTFKYFLKIEKNGVKVSGTKKENCPSYLETTSVEIGVAVKAINS 60
|||||

```
Db 31 SYNHLQGDVVRWVKLFSTKYFLKIEKNGKVSQTKKENCPSYLSILEITSVGIGWAVKAINS 90
QY 61 NYILAMNKKGLYSGKEFNNDCKLKERIEENGYNITYASFNWQHNGROMYVALNGKGAPRR 120
Db 91 NYILAMNKKGLYSGKEFNNDCKLKERIEENGYNITYASFNWQHNGROMYVALNGKGAPRR 150
QY 121 GQTRRKNTSAHFLPMVVS 140
Db 151 GQTRRKNTSAHFLPMVVS 170

RESULT 2
Q95K97 ID Q95K97 PRELIMINARY; PRT; 208 AA.
AC Q95K97;
DT 01-DEC-2001 (TReMBLrel. 19, Created)
DT 01-DEC-2001 (TReMBLrel. 19, Last sequence update)
DT 01-OCT-2003 (TReMBLrel. 25, Last annotation update)
DE Hypothetical protein.
OS Macaca fascicularis (Crab eating macaque) (Cynomolgus monkey).
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Mammalia; Eutheria; Primates; Catarrhini; Cercopitheidae;
OC Cercopitheidae; Macaca.
OX NCBI_TaxID=9541;
RN [1]
SEQUENCE FROM N.A.
RC TISSUE=Medulla oblongata;
RA Osada N., Hida M., Kusuda J., Tanuma R., Iseki K., Hirai M., Terao K.,
RA Suzuki Y., Sugano S., Hashimoto K.;
RT "Isolation of full-length cDNA clones from macaque brain cDNA
RT libraries";
RL Submitted (JUN-2001) to the EMBL/GenBank/DBJ databases.
DR EMBL; AS063051; BAB60779.1; -.
DR GO; GO:0008083; F: growth factor activity; IEA.
DR InterPro; IPR008996; Cytok IL1_HBGF.
DR InterPro; IPR002348; IL1_HBGF.
DR Pfam; PF00167; FGF; 1.
DR PRINTS; PR00262; IL1HBGF.
DR ProDom; PD000831; IL1_HBGF; 1.
DR SMART; SM00442; FGF; 1.
DR SMART; SM00442; FGF; 1.
DR PROSITE; PS00247; HBGF_FGF; 1.
KW Hypothetical protein.
KW Hypothetical protein.
KW Hypothetical protein.
SQ SEQUENCE 208 AA; 23466 MW; 0766A787609B3661 CRC64;

Query Match 100.0%; Score 748; DB 6; Length 208;
Best Local Similarity 100.0%; Pred. No. 5.1e-61;
Matches 140; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 SYNHLQGDVVRWVKLFSTKYFLKIEKNGKVSQTKKENCPSYLSILEITSVGIGWAVKAINS 60
Db 69 SYNHLQGDVVRWVKLFSTKYFLKIEKNGKVSQTKKENCPSYLSILEITSVGIGWAVKAINS 128
QY 61 NYILAMNKKGLYSGKEFNNDCKLKERIEENGYNITYASFNWQHNGROMYVALNGKGAPRR 120
Db 129 NYILAMNKKGLYSGKEFNNDCKLKERIEENGYNITYASFNWQHNGROMYVALNGKGAPRR 188
QY 121 GQTRRKNTSAHFLPMVVS 140
Db 189 GQTRRKNTSAHFLPMVVS 208

RESULT 3
Q96P59 ID Q96P59 PRELIMINARY; PRT; 208 AA.
AC Q96P59;
DT 01-DEC-2001 (TReMBLrel. 19, Created)
DT 01-DEC-2001 (TReMBLrel. 19, Last sequence update)
DT 01-OCT-2003 (TReMBLrel. 25, Last annotation update)
DE Keratinocyte growth factor 2.
GN FGF10.
OS Homo sapiens (Human).
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
OC Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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OX NCBI_TaxID=9606;
RN [1]
SEQUENCE FROM N.A.
RA Zhang Y., Zhang B., Zhou Y., Peng X., Yuan J., Qiang B.;
RL Submitted (AUG-2001) to the EMBL/GenBank/DBJ databases.
DR EMBL; AF411527; AAL05875.1; -.
DR GO; GO:0008083; F: growth factor activity; IEA.
DR InterPro; IPR008996; Cytok IL1_like.
DR InterPro; IPR002348; IL1_HBGF.
DR Pfam; PF00167; FGF; 1.
DR PRINTS; PR00262; IL1HBGF.
DR ProDom; PD000831; IL1_HBGF; 1.
DR SMART; SM00442; FGF; 1.
DR PROSITE; PS00247; HBGF_FGF; 1.
SQ SEQUENCE 208 AA; 23433 MW; D6C77E96D4885C10 CRC64;

Query Match 98.7%; Score 738; DB 4; Length 208;
Best Local Similarity 98.6%; Pred. No. 4.2e-60;
Matches 138; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 SYNHLQGDVVRWVKLFSTKYFLKIEKNGKVSQTKKENCPSYLSILEITSVGIGWAVKAINS 60
Db 69 SYNHLQGDVVRWVKLFSTKYFLKIEKNGKVSQTKKENCPSYLSILEITSVGIGWAVKAINS 128
QY 61 NYILAMNKKGLYSGKEFNNDCKLKERIEENGYNITYASFNWQHNGROMYVALNGKGAPRR 120
Db 129 NYILAMNKKGLYSGKEFNNDCKLKERIEENGYNITYASFNWQHNGROMYVALNGKGAPRR 188
QY 121 GQTRRKNTSAHFLPMVVS 140
Db 189 GQTRRKNTSAHFLPMVVS 208

RESULT 4
Q9N1B9 ID Q9N1B9 PRELIMINARY; PRT; 213 AA.
AC Q9N1B9;
DT 01-OCT-2000 (TReMBLrel. 15, Created)
DT 01-OCT-2000 (TReMBLrel. 15, Last sequence update)
DT 01-OCT-2003 (TReMBLrel. 25, Last annotation update)
DE Fibroblast growth factor 10.
GN FGF-10.
OS Ovis aries (Sheep).
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Mammalia; Eutheria; Cetartiodactyla; Ruminantia; Pecora; Bovidae;
OC Bovidae; Caprinae; Ovis.
OX NCBI_TaxID=9940;
RN [1]
SEQUENCE FROM N.A.
RC TISSUE=Endometrium;
RX MEDLINE=20411101; PubMed=10952944;
RA Chen C., Spencer T.E., Bazer F.W.;
RT "Fibroblast growth factor-10: A stromal mediator of epithelial
RT function in the ovine uterus.";
RL Biol. Reprod. 63:959-966(2000).
DR EMBL; AF213396; AAF25944.1; -.
DR HSSP; P31371; IG82.
DR GO; GO:0008083; F: growth factor activity; IEA.
DR InterPro; IPR008996; Cytok IL1_like.
DR InterPro; IPR002348; IL1_HBGF.
DR Pfam; PF00167; FGF; 1.
DR PRINTS; PR00262; IL1HBGF.
DR ProDom; PD000831; IL1_HBGF; 1.
DR SMART; SM00442; FGF; 1.
DR PROSITE; PS00247; HBGF_FGF; 1.
SQ SEQUENCE 213 AA; 23768 MW; C347149A81C15634 CRC64;

Query Match 97.9%; Score 732.5; DB 6; Length 213;
Best Local Similarity 99.3%; Pred. No. 1.4e-59;
Matches 139; Conservative 0; Mismatches 0; Indels 1; Gaps 1;

QY 1 SYNHLQGDVVRWVKLFSTKYFLKIEKNGKVSQTKKENCPSYLSILEITSVGIGWAVKAINS 60
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Submitted (SEP-2001) to the EMBL/GenBank/DBJ databases.
RL DR GO; A420232; AAL16059.1; -.
DR GO; GO:0008083; F:growth factor activity; IEA.
DR InterPro; IPR008996; Cytok_IL1_like.
DR InterPro; IPR002348; IL1_HBGF.
DR Pfam; PF00167; FGF; 1.
DR PRINTS; PR00262; IL1HBGF.
DR ProDom; PD000831; IL1_HBGF; 1.
DR SMART; SM00443; FGF_I.
DR PROSITE; PS00247; HBGF_FGF; 1.
FT NON_TER 186
SQ SEQUENCE 186 AA; 21618 MW; A17ACA0409802C68 CRC64;

Query Match          50.6%; Score 378.5; DB 6; Length 186;
Best Local Similarity 53.9%; Pred. No. 4.5e-27;
Matches 69; Conservative 28; Mismatches 30; Indels 1; Gaps 1;

QY      1 SYNLHQ-GDVERWKLFSFETYFLKLENGKVSGTKENCPCYSILEITISVEIGVAVKAIN 59
       |||:::||||||:::||||||:::||||||:::||||||:::||||||:::
Db      55 SYDMEGGDIIRVELFCQTLYLRIDRGRVKVGQEMKNISYNIEITRTAVGIVAIGVE 114

QY      60 SNYYLAMNKKGLYGSKSEFNNDCKLERIEENGYNITYASFNWQHNGRMVVALNGKAPR 119
       |||:::||||||:::||||||:::||||||:::||||||:::
Db     115 SBYYLAMNKEGKYAKKCEDNCFNKELILENHNTYVSASAKWTHTSGGMFVALNQKGVPV 174

QY      120 RGQKTRRK 127
       |||:::|||||
Db      175 RRGKTNRK 182

Search completed: March 26, 2004, 04:48:44
Job time : 255 secs

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Db 123 NYLAINKGVVYGADGIDCKLIEREENRYNTYASAEWMNKKHMFVGLSANGRPMPR 182
QY 121 GOKTRKNTSAHFILPMV 138
Db 183 AKKTRKNTATHFLPIPI 200

RESULT 11
Q90XQ3 PRELIMINARY; PRT; 134 AA.
AC Q90XQ3;
DT 01-DEC-2001 (TREMELrel. 19, Created)
DT 01-DEC-2001 (TREMELrel. 19, Last sequence update)
DT 01-OCT-2003 (TREMELrel. 25, Last annotation update)
DE Fibroblast growth factor 10 (Fragment).
OS Ambystoma mexicanum (Xenopus).
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Amphibia; Batrachia; Caudata; Salamandroidea; Ambystomidae;
OC Ambystoma.
OX NCBI_TaxID=8296;
RN [1]
RP SEQUENCE FROM N.A.
RX MEDLINE=21439472; PubMed=1155861;
RA Christensen R.N., Weinstein M., Tassava R.A.;
RT "Fibroblast growth factors in regenerating limbs of Ambystoma: Cloning
RT and semi-quantitative RT-PCR expression studies.";
RL J. Exp. Zool. 290:529-540(2001).
DR EMBL; AF360986; AAL16959.1; -.
DR GO; GO:0008083; F: growth factor activity; IEA.
DR InterPro; IPR008996; Cytok IL1_like.
DR Pfam; PF00167; FGF, 1.
DR PRINTS; PRO0262; IL1HBGF.
DR ProDom; PDC00831; IL1_HBGF; 1.
DR SMART; SM00442; FGF; 1.
FT NON TER 1
FT NON TER 134
SQ SEQUENCE 134 AA; 15317 MW; 678E26419972CB4E CRC64;

Query Match 63.4%; Score 474; DB 13; Length 134;
Best Local Similarity 68.6%; Pred. No. 5.1e-36;
Matches 83; Conservative 20; Mismatches 18; Indels 0; Gaps 0;

QY 1 SYNHLQGVVRWVKLFSTFKYFLKIEKNGKVGSTKKNCPYSILSITSVEIGVAVKAINS 60
Db 14 SYKHLEGVRLRLLCVTNYFLKIDAGKVGSTTKVDCPCYSVMEITSVDVGIIVAKGVYS 73

QY 61 NYLAINKKGKLYGSKFNNDCCKLKERIEENGYNTYASFNWHNGROMYVALNGKGPARR 120
Db 74 NYLAINKGRVYSGREFTTDCCKLKERMEENKYNITYASYKWRHQRMVFNALNGKGPKR 133

QY 121 G 121
Db 134 G 134

RESULT 12
Q800L8 PRELIMINARY; PRT; 191 AA.
AC Q800L8;
DT 01-JUN-2003 (TREMELrel. 24, Created)
DT 01-JUN-2003 (TREMELrel. 24, Last sequence update)
DT 01-OCT-2003 (TREMELrel. 25, Last annotation update)
DE Growth factor FGF-10 (Fragment).
GN FGF-10.
OS Brachydanio rerio (Zebrafish).
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Actinopterygii; Neopterygii; Teleostei; Ostariophysi; Cypriniformes;
OC Cyprinidae; Danio.
OX NCBI_TaxID=7955;
RN [1]
RP SEQUENCE FROM N.A.

Db 123 NYLAINKGVVYGADGIDCKLIEREENRYNTYASAEWMNKKHMFVGLSANGRPMPR 182
QY 121 GOKTRKNTSAHFILPMV 138
Db 183 AKKTRKNTATHFLPIPI 200

Query Match 61.1%; Score 457; DB 13; Length 191;
Best Local Similarity 62.9%; Pred. No. 2.8e-34;
Matches 83; Conservative 22; Mismatches 27; Indels 0; Gaps 0;

QY 1 SYNHLQGVVRWVKLFSTFKYFLKIEKNGKVGSTKKNCPYSILSITSVEIGVAVKAINS 60
Db 60 SYNHLTGDVRRKLFYQKFLRIDKNGKVGNGTKSDDPYSTLEIKSDVDVGIIVAKGIQS 119

QY 61 NYLAINKKGKLYGSKFNNDCCKLKERIEENGYNTYASFNWHNGROMYVALNGKGPARR 120
Db 120 NYLAINKGVVYGADGIDCKLIEREENRYNTYASAEWMNKKHMFVGLSANGRPMPR 179

QY 121 GOKTRKNTSAH 132
Db 180 AKKTRKNTATH 191

RESULT 13
Q8VI79 PRELIMINARY; PRT; 162 AA.
AC Q8VI79;
DT 01-MAR-2002 (TREMELrel. 20, Created)
DT 01-MAR-2002 (TREMELrel. 20, Last sequence update)
DT 01-OCT-2003 (TREMELrel. 25, Last annotation update)
DE Fibroblast growth factor 22.
GN FGF22.
OS Rattus norvegicus (Rat).
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Rattus.
OX NCBI_TaxID=10116;
RN [1]
RP SEQUENCE FROM N.A.
RA Itoh N.;
RT "Rattus norvegicus FGF21.";
RL Submitted (JAN-2002) to the EMBL/GenBank/DBJ databases.
DR EMBL; AB078902; BAB94300.1; -.
DR GO; GO:0008083; F: growth factor activity; IEA.
DR InterPro; IPR008996; Cytok IL1_like.
DR InterPro; IPR002348; IL1_HBGF.
DR Pfam; PF00167; FGF; 1.
DR PRINTS; PRO0262; IL1HBGF.
DR ProDom; PDC00831; IL1_HBGF; 1.
DR SMART; SM00442; FGF; 1.
DR PROSITE; PS00247; HBGF_FGF; 1.
SQ SEQUENCE 162 AA; 18361 MW; 3100F25D105F5ED3 CRC64;

Query Match 58.4%; Score 437; DB 11; Length 162;
Best Local Similarity 54.0%; Pred. No. 1.6e-32;
Matches 75; Conservative 34; Mismatches 30; Indels 0; Gaps 0;

QY 2 YNHLQGVVRWVKLFSTFKYFLKIEKNGKVGSTKKNCPYSILSITSVEIGVAVKAINS 61
Db 24 YNHLQGVVRWVKLFSTFKYFLKIEKNGKVGSTKKNCPYSILSITSVEIGVAVKAINS 83

QY 62 YLAINKKGKLYGSKFNNDCCKLKERIEENGYNTYASFNWHNGROMYVALNGKGPARR 121
Db 84 FYVAMNREGRLVSRVSDCPRFRIEENGYNTYASRWHRHGRPMFLALDSQGIPOG 143
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10 75 SYNHLQDVRWKLPSFTKYFLKIE-NGKVGSTKKENCPSYILEITSVSVEIGVAVKAINS 133
11 61 NYLWANKKGLYSGKEFNNDCKLKERIEENGYNITYASFVWQHNGRQMYVALNGKGAPRR 120
12 134 NYLWANKKGLYSGKEFNNDCKLKERIEENGYNITYASFVWQHNGRQMYVALNGKGAPRR 193
13 121 GQTRKNTSAHFLPMVHVS 140
14 194 GQTRKNTSAHFLPMVHVS 213
15
16 RESULT 5
17 M42407 PRELIMINARY; PRT; 212 AA.
18 C O42407;
19 C O42407;
20 T 01-JAN-1998 (TREMELrel. 05, Created)
21 T 01-JUN-1998 (TREMELrel. 06, Last sequence update)
22 T 01-OCT-2003 (TREMELrel. 25, Last annotation update)
23 DE Fibroblast growth factor 10.
24 DE Gallus gallus (Chicken).
25 C Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
26 C Archosauria; Aves; Neognathae; Galliformes; Phasianidae; Phasianinae;
27 C Gallus.
28 X NCBI_TaxID=9031;
29 N [1]
30 N SEQUENCE FROM N.A.
31 X MEDLINE=97330690; PubMed=9187149;
32 X Chuchi H., Nakagawa T., Yamamoto A., Araga A., Ohta T., Ishimaru Y.,
33 X Yoshioka H., Kuwana T., Nohno T., Yamasaki M., Itoh N., Noji S.;
34 X "The mesenchymal factor, FGF10, initiates and maintains the outgrowth
35 X of the chick limb bud through interaction with FGF8, an apical
36 X ectodermal factor.";
37 X Development 124:2235-2244(1997).
38 L EMBL; D86333; BAA24945.1; -.
39 R HSP; P31371; I82.
40 R GO; GO:0008083; F: growth factor activity; IEA.
41 R InterPro; IPR008996; Cytok IL1_like.
42 R InterPro; IPR002348; IL1_HBGF.
43 R Pfam; PF00167; FGF; 1.
44 R PRINTS; PR00262; IL1HBGF.
45 R ProDom; PD000831; IL1_HBGF; 1.
46 R SMART; SM00442; FGF; 1.
47 S SEQUENCE 212 AA; 23631 MW; AB4C0B32C72A0D90 CRC64;
48
49 Query Match 88.8%; Score 664; DB 13; Length 212;
50 Best Local Similarity 88.8%; Pred. No. 2.8e-53;
51 Matches 124; Conservative 10; Mismatches 6; Indels 0; Gaps 0;
52
53 1 SYNHLQDVRWKLPSFTKYFLKIE-NGKVGSTKKENCPSYILEITSVSVEIGVAVKAINS 60
54 73 SYNHLQDVRWKLPSFTKYFLKIE-NGKVGSTKKENCPSYILEITSVSVEIGVAVKAINS 132
55
56 61 NYLWANKKGLYSGKEFNNDCKLKERIEENGYNITYASFVWQHNGRQMYVALNGKGAPRR 120
57 133 NYLWANKKGLYSGKEFNNDCKLKERIEENGYNITYASFVWQHNGRQMYVALNGKGAPRR 192
58
59 121 GQTRKNTSAHFLPMVHVS 140
60 193 GQTRKNTSAHFLPMVHVS 212
61
62 RESULT 6
63 D866R6 PRELIMINARY; PRT; 154 AA.
64 AC O866R6;
65 DT 01-JUN-2003 (TREMELrel. 24, Created)
66 DT 01-JUN-2003 (TREMELrel. 24, Last sequence update)
67 DT 01-OCT-2003 (TREMELrel. 25, Last annotation update)
68 DE Fibroblast growth factor-10 (Fragment).
69 DE FGF10.
70 S Bos taurus (Bovine).
71 C Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
72 C Mammalia; Eutheria; Cetartiodactyla; Ruminantia; Pecora; Bovidae;
73
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OC Bovidae; Bovinae; Bos.
OX NCBI_TaxID=9913;
RN [1]
RP SEQUENCE FROM N.A.
RA Glapinski V.F., Pinto M.G.L., Teixeira A.B., Avellar M.C.W.,
RA Price C.A., Buratini J.,
RL Submitted (NOV-2002) to the EMBL/GenBank/DBJ databases.
DR EMBL; AY183659; AAC25617.1; -.
DR GO; GO:0008083; F: growth factor activity; IEA.
DR InterPro; IPR008996; Cytok IL1_like.
DR InterPro; IPR002348; IL1_HBGF.
DR Pfam; PF00167; FGF; 1.
DR PRINTS; PR00262; IL1HBGF.
DR ProDom; PD000831; IL1_HBGF; 1.
DR SMART; SM00442; FGF; 1.
DR PROSITE; PS00247; HBGF_FGF; 1.
FT NON_TER 1
FT NON_TER 154
SQ SEQUENCE 154 AA; 17274 MW; 843E0A2FB610E12E CRC64;
31
32 Query Match 76.9%; Score 575.5; DB 6; Length 154;
33 Best Local Similarity 99.1%; Pred. No. 2.7e-45;
34 Matches 109; Conservative 0; Mismatches 0; Indels 1; Gaps 1;
35
36 1 SYNHLQDVRWKLPSFTKYFLKIE-NGKVGSTKKENCPSYILEITSVSVEIGVAVKAINS 60
37 46 SYNHLQDVRWKLPSFTKYFLKIE-NGKVGSTKKENCPSYILEITSVSVEIGVAVKAINS 104
38
39 61 NYLWANKKGLYSGKEFNNDCKLKERIEENGYNITYASFVWQHNGRQMYV 110
40 105 NYLWANKKGLYSGKEFNNDCKLKERIEENGYNITYASFVWQHNGRQMYV 154
41
42 RESULT 7
43 Q8QGS9 PRELIMINARY; PRT; 201 AA.
44 ID Q8QGS9;
45 DT 01-JUN-2002 (TREMELrel. 21, Created)
46 DT 01-JUN-2002 (TREMELrel. 21, Last sequence update)
47 DT 01-OCT-2003 (TREMELrel. 25, Last annotation update)
48 DE Fibroblast growth factor 10.
49 CS Ambystoma mexicanum (Axolotl).
50 OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
51 OC Amphibia; Batrachia; Caudata; Salamandroidea; Ambystomatidae;
52 OC Ambystoma.
53 OX NCBI_TaxID=8296;
54 N [1]
55 N SEQUENCE FROM N.A.
56 RX MEDLINE=21826199; PubMed=11836784;
57 RA Christensen R.N., Weinstein M., Tassava R.A.;
58 RT "Expression of fibroblast growth factors 4, 8, and 10 in limbs,
59 RT flanks, and blastemas of Ambystoma.";
60 RL Dev. Dyn. 223:193-203(2002).
61 DR EMBL; AF034453; AAKS9700.1; -.
62 DR GO; GO:0008083; F: growth factor activity; IEA.
63 DR InterPro; IPR008996; Cytok IL1_like.
64 DR InterPro; IPR002348; IL1_HBGF.
65 DR Pfam; PF00167; FGF; 1.
66 DR PRINTS; PR00262; IL1HBGF.
67 DR ProDom; PD000831; IL1_HBGF; 1.
68 DR SMART; SM00442; FGF; 1.
69 S SEQUENCE 201 AA; 22994 MW; 89EA1E61806A6F57 CRC64;
70
71 Query Match 73.7%; Score 551; DB 13; Length 201;
72 Best Local Similarity 70.3%; Pred. No. 6.5e-43;
73 Matches 97; Conservative 22; Mismatches 19; Indels 0; Gaps 0;
74
75 1 SYNHLQDVRWKLPSFTKYFLKIE-NGKVGSTKKENCPSYILEITSVSVEIGVAVKAINS 60
76 58 SYKLEGDVRLRLCLCVNIFLKIDAGKVSFTTKVDCPYSWEITSDVGVAVKGYVS 117
77
78 61 NYLWANKKGLYSGKEFNNDCKLKERIEENGYNITYASFVWQHNGRQMYVALNGKGAPRR 120
79
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db 118 NYLANNEKRGVYSGREFTTDCIKLXERMEENKYNITYASYKWHKQRMFVALNGKGTPKR 177
2y 121 GQTRKNTSAHFLPMV 138
db 178 GQTRKNTSAHFLPMQI 195

RESULT 8
ID Q90Y71 PRELIMINARY; PRT; 111 AA.
AC Q90Y71;
DT 01-DEC-2001 (TREMELrel. 19, Created)
DT 01-DEC-2001 (TREMELrel. 19, Last sequence update)
DT 01-OCT-2003 (TREMELrel. 25, Last annotation update)
DE Fibroblast growth factor-10 (Fragment).
EN FGF-10.
DS Xenopus laevis (African clawed frog).
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Amphibia; Batrachia; Anura; Mesobatrachia; Pipoidae; Pipidae;
OC Xenopodinae; Xenopus.
CX NCBI_TaxID=8355;
CN [1]
SEQUENCE FROM N.A.
Yokoyama H., Yonei-Tamura S.;
Submitted (OCT-2001) to the EMBL/GenBank/DBJ databases.
[2]
SEQUENCE FROM N.A.
MEDLINE=20143688; PubMed=10677252;
Yokoyama H., Yonei-Tamura S., Endo T., Izpisua Belmonte J., Tamura K.,
Ige H.;
"Mesenchyme with fgf-10 expression is responsible for regenerative
capacity in xenopus limb buds.";
Dev. Biol. 219:18-23(2000).
EMBL; AB073747; BAB71729.1; -.
GO; GO:0008083; F: growth factor activity; IEA.
InterPro; IPR008996; Cytok il1 like.
InterPro; IPR002348; IL1_HBGF.
PFam; PF00167; FGF; 1.
PRINTS; PR00262; IL1HBGF.
PRODom; PD000831; IL1_HBGF; 1.
SMART; SM00442; FGF; 1.
PROSITE; PS00247; HBGF_FGF; 1.
FT NON TER 1
NON TER 111
SEQUENCE 111 AA; 12827 MW; 79656CA53BDD60D1 CRC64;

Query Match 66.4%; Score 497; DB 13; Length 111;
Best Local Similarity 82.9%; Pred. No. 3.2e-38;
Matches 92; Conservative 12; Mismatches 7; Indels 0; Gaps 0;

QY 2 YNHQGVVRWKLFSFTKYFLKIEKNGKVGSTKENCPSYLSILTSVEIGWVAVKAINEN 61
Db 1 YNHQGVRSRLFSYKYFLQIDGNTVSGTKRENCPSYLSILTSVDVGWVAVKAINEN 60
QY 62 YLANNKKGLYSGKEFNNDCKLKERIEENGYNITYASFNWQHNGROMYVAL 112
Db 61 YLANNRGKIVGSKVFNIDCKLKERIEENGYNITYASHNWKNERQMFVAL 111

RESULT 9
Q90XP9
ID Q90XP9 PRELIMINARY; PRT; 112 AA.
AC Q90XP9;
DT 01-DEC-2001 (TREMELrel. 19, Created)
DT 01-DEC-2001 (TREMELrel. 19, Last sequence update)
DT 01-OCT-2003 (TREMELrel. 25, Last annotation update)
DE Fibroblast growth factor 10 (Fragment).
DS Ambystoma maculatum (Spotted salamander).
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Amphibia; Batrachia; Caudata; Salamandroidea; Ambystomatidae;
OC Ambystoma.
CX NCBI_TaxID=43114;
CN [1]
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RP SEQUENCE FROM N.A.
RX MEDLINE=21439472; PubMed=1155861;
RA Christensen R.N., Weinstein M., Tassava R.A.;
RT "Fibroblast growth factors in regenerating limbs of Ambystoma: Cloning
and semi-quantitative RT-PCR expression studies.";
RL J. Exp. Zool. 290:529-540(2001).
DR EMBL; AF360990; AAL16963.1; -.
DR GO; GO:0008083; F: growth factor activity; IEA.
DR InterPro; IPR008996; Cytok il1 like.
DR InterPro; IPR002348; IL1_HBGF.
PFam; PF00167; FGF; 1.
PRINTS; PR00262; IL1HBGF.
PRODom; PD000831; IL1_HBGF; 1.
SMART; SM00442; FGF; 1.
FT NON TER 1
NON TER 112
SEQUENCE 112 AA; 12886 MW; F5D8EC6B13C479C9 CRC64;

Query Match 64.2%; Score 480; DB 13; Length 112;
Best Local Similarity 75.0%; Pred. No. 1.2e-36;
Matches 84; Conservative 17; Mismatches 11; Indels 0; Gaps 0;

QY 25 EKNGKVGSTKENCPSYLSILTSVEIGWVAVKAINSNYYLANNKKGLYSGKEFNNDCKL 84
Db 1 EKNGKVGSTTKVDPCPSYVMEITSVDGIVAVKGVSNYYLANNEKRGVYSGREFTDCKL 60
QY 85 KERIEENGYNITYASFNWQHNGROMYVALNGKGPARGOKTRKNTSAHFLPM 136
Db 61 KERMEENKYNITYASYKWRHQRKQMFVALNGKGTPKRGQTRKNTSAHFLPM 112

RESULT 10
Q8AY90
ID Q8AY90 PRELIMINARY; PRT; 201 AA.
AC Q8AY90;
DT 01-MAR-2003 (TREMELrel. 23, Created)
DT 01-MAR-2003 (TREMELrel. 23, Last sequence update)
DT 01-OCT-2003 (TREMELrel. 25, Last annotation update)
DE Fibroblast growth factor 10.
GN FGF10.
OS Brachydanio rerio (Zebrafish) (Danio rerio).
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Actinopterygii; Neopterygii; Teleostei; Ostariophysi; Cypriniformes;
OC Cyprinidae; Danio.
CX NCBI_TaxID=7955;
CN [1]
SEQUENCE FROM N.A.
RX PubMed=1239308;
RA Ng J.X., Kawakami Y., Buscher D., Raya A., Itoh T., Koth C.M.,
RA Rodriguez Esteban C., Rodriguez-Leon J., Garrity D.M., Fishman M.C.,
RA Izpisua Belmonte J.C.;
RT "The limb identity gene Tbx5 promotes limb initiation by interacting
with Wnt2b and Fgf10.";
RL Development 129:5161-5170(2002).
DR EMBL; AF544025; AAN62915.1; -.
GO; GO:0008083; F: growth factor activity; IEA.
InterPro; IPR008996; Cytok il1 like.
InterPro; IPR002348; IL1_HBGF.
PFam; PF00167; FGF; 1.
PRINTS; PR00262; IL1HBGF.
PRODom; PD000831; IL1_HBGF; 1.
SMART; SM00442; FGF; 1.
SEQUENCE 201 AA; 22780 MW; 7365E61A9BE99379 CRC64;

Query Match 63.6%; Score 476; DB 13; Length 201;
Best Local Similarity 62.3%; Pred. No. 5.2e-36;
Matches 86; Conservative 24; Mismatches 28; Indels 0; Gaps 0;

QY 1 SYNHQGVVRWKLFSFTKYFLKIEKNGKVGSTKENCPSYLSILTSVEIGWVAVKAINEN 60
Db 63 SYNHLTDGVRRKLFYSYQKFFLIDKNGKVGTKSKDDPYSTLSEIKSVGVGVAIKGIQS 122
QY 61 NYLANNKKGLYSGKEFNNDCKLKERIEENGYNITYASFNWQHNGROMYVALNGKGPARR 120
```

GenCore version 5.1.6
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M protein - protein search, using sw model
Run on: March 26, 2004, 04:14:20 ; Search time 250 seconds
(without alignments)
176.690 Million cell updates/sec

Title: US-10-035-212-2_COPY_69_208
Perfect score: 748
Sequence: 1 SYNHLQGVWRKLFSTKY.....GQTRRKNTSAHFLPMVVHS 140

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 1017041 seqs, 315518202 residues

Total number of hits satisfying chosen parameters: 1017041

Minimum DB seq length: 0
Maximum DB seq length: 2000000000
Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

- Database : SPTREMBL.25.*
- 1: sp_archaea.*
 - 2: sp_bacteria.*
 - 3: sp_fungi.*
 - 4: sp_human.*
 - 5: sp_invertebrate.*
 - 6: sp_mammal.*
 - 7: sp_mhc.*
 - 8: sp_organelle.*
 - 9: sp_phase.*
 - 10: sp_plant.*
 - 11: sp_rodent.*
 - 12: sp_virus.*
 - 13: sp_vertebrate.*
 - 14: sp_unclassified.*
 - 15: sp_virus.*
 - 16: sp_bacteriap.*
 - 17: sp_archaeap.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

result No.	Score	Query Match	Length	ID	Description
1	748	100.0	170	4	Q8nf19 homo sapien
2	748	100.0	208	6	Q95k97 macaca fasc
3	738	98.7	208	4	Q96p59 homo sapien
4	732.5	97.9	213	6	Q9n1b9 oviss aries
5	664	88.8	212	13	O42407 gallus gall
6	575.5	76.9	154	6	Q866r6 bos taurus
7	551	73.7	201	13	Q8G359 ambystoma m
8	497	66.4	111	13	Q90y71 xenopus lae
9	480	64.2	112	13	Q90xp3 ambystoma m
10	476	63.6	201	13	Q8ay90 brachydanio
11	474	63.4	134	13	Q90xq3 ambystoma m
12	457	61.1	191	13	Q800L8 brachydanio
13	437	58.4	162	11	Q8vi79 rattus norv
14	395.5	52.9	194	11	Q8C386 mus musculu
15	378.5	50.6	186	6	Q95147 mustela vis
16	373.5	49.9	185	11	Q9ern5 rattus norv

17	353.5	47.3	245	11	Q8R5L9
18	325	43.4	208	6	Q95L12
19	320	42.8	208	13	Q7ZZN4
20	319	42.6	207	11	Q9ERQ5
21	312	41.7	207	11	Q9ESL8
22	309	41.3	129	4	O6C371
23	305	40.8	212	11	Q9ESL9
24	304	40.6	208	13	Q9PVY1
25	302	40.4	211	11	Q8C7A8
26	302	40.4	212	11	Q9EST9
27	281.5	37.6	97	4	Q9NSJ0
28	265.5	35.5	268	4	Q8NF90
29	253.5	33.9	191	13	Q9DRC9
30	252	33.7	297	5	Q816v4
31	251	33.6	199	13	Q91AI3
32	251	33.6	245	13	Q9W6A2
33	250	33.4	236	13	Q8O4S4
34	249	33.3	192	11	Q9ERW3
35	248	33.2	245	11	Q8VCY9
36	245.5	32.8	196	13	Q9YH31
37	244.5	32.7	124	13	Q90XQ5
38	244	32.6	181	13	Q91AI7
39	244	32.6	243	13	Q9W6A1
40	242	32.4	127	4	Q9S517
41	241.5	32.3	195	11	Q8C399
42	241	32.2	181	4	Q8TBG5
43	241	32.2	181	11	Q924B4
44	240.5	32.2	208	11	Q8R5L5
45	238	31.8	73	6	Q97573

ALIGNMENTS

RESULT 1

Q8NF19 PRELIMINARY; PRT; 170 AA.

AC Q8NF19; 01-OCT-2002 (trEMBLrel. 22, Created)
DT 01-OCT-2002 (trEMBLrel. 22, Last sequence update)
DT 01-OCT-2003 (trEMBLrel. 25, Last annotation update)
DE Fibroblast growth factor 10 (Fragment).
GN FGF10.
OS Homo sapiens (Human).
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
OX NCBI_TaxID=9606;
RN [1]
RP SEQUENCE FROM N.A.
RC TISSUE=Bladder;
RX PubMed=11923311;
RA Bagai S., Rubio E., Cheng J.F., Sweet R., Thomas R., Fuchs E.,
RA Grady R., Mitchell M., Basuik J.A.;
RT "Fibroblast Growth Factor-10 Is a Mitogen for Urothelial Cells.";
RL J. Biol. Chem. 277:23828-23837(2002).
DR EMBL; AF508782; RAN46926.1; -;
DR GO; GO:0008083; F.growth factor activity; IEA.
DR InterPro; IPR008996; Cytok IL1-like.
DR InterPro; IPR002348; IL1_HBGF.
DR Pfam; PF00167; FGF; 1.
DR PRINTS; PR00262; IL1HBGF
DR PRODOM; PD000831; IL1_HBGF; 1.
DR SMART; SM00442; FGF; 1.
DR PROSITE; PS00247; HBGF_FGF; 1.
DR NON TER 1
SQ SEQUENCE 170 AA; 19195 MW; 4EA43515F758327A CRC64;

Query Match 100.0%; Score 748; DB 4; Length 170;

Best Local Similarity 100.0%; Pred. No. 4.1e-61; Indels 0; Gaps 0;

Matches 140; Conservative 0; Mismatches 0;

QY 1 SYNHLQGVWRKLFSTKYFLKIKNGKVGSTKKNCPYSILEITSIGVAVKAINS 60
|||||

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31 31  SYNHLQGDVWRKLFSTFKYFLKIKNGKVGSGTKKENCPSYLSLEITSVEIGVAVKAINS 90
    QY 61  NYILAMNKGKGLYSGKEFNNDCKLKERIEBENGYNNTYASFNMWONGROMYVALNGKGAPRR 120
    Db 91  NYILAMNKGKGLYSGKEFNNDCKLKERIEBENGYNNTYASFNMWONGROMYVALNGKGAPRR 150
    QY 121 GQKTRKNTSAHFLEPMVYHS 140
    Db 151 GQKTRKNTSAHFLEPMVYHS 170

RESULT 2
Q95K97 PRELIMINARY; PRT; 208 AA.
ID Q95K97;
AC Q95K97;
DT 01-DEC-2001 (TrEMBLrel. 19, Created)
DT 01-DEC-2001 (TrEMBLrel. 19, Last sequence update)
DT 01-OCT-2003 (TrEMBLrel. 25, Last annotation update)
DE Hypothetical protein.
DE Macaca fascicularis (Crab eating macaque) (Cynomolgus monkey).
OS Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Mammalia; Eutheria; Primates; Catarrhini; Cercopitheidae;
OC Cercopithecinæ; Macaca.
OC NCBI_TaxID=9541;
RN [1]
RP SEQUENCE FROM N.A.
RC TISSUE=Medulla oblongata;
RA Osada N., Hida M., Kusuda J., Tanuma R., Iseki K., Hirai M., Terao K.,
RA Suzuki Y., Sugano S., Hashimoto K.;
RT "Isolation of full-length cDNA clones from macaque brain cDNA
RT libraries.";
RL Submitted (JUN-2001) to the EMBL/GenBank/DBJ databases.
DR EMBL; AB063051; BAB60779.1; -
DR GO; GO:0008083; F.growth factor activity; IEA.
DR InterPro; IPR008996; F.growth factor activity; IEA.
DR InterPro; IPR002348; ILI_HBGF.
DR Pfam; PF00167; FGF; 1.
DR PRINTS; PR00262; ILIHBGF.
DR ProDom; PD000831; ILI HBGF; 1.
DR SMART; SM00442; FGF; 1.
DR PROSITE; PS00247; HBGF_FGF; 1.
DR Hypothetical protein.
KW Hypothetical protein.
SQ SEQUENCE 208 AA; 23466 MW; 0766A7876095B3661 CRC64;

Query Match 100.0%; Score 748; DB 6; Length 208;
Best Local Similarity 100.0%; Pred.No. 5.1e-61;
Matches 140; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 SYNHLQGDVWRKLFSTFKYFLKIKNGKVGSGTKKENCPSYLSLEITSVEIGVAVKAINS 60
Db 69 SYNHLQGDVWRKLFSTFKYFLKIKNGKVGSGTKKENCPSYLSLEITSVEIGVAVKAINS 128
QY 61 NYILAMNKGKGLYSGKEFNNDCKLKERIEBENGYNNTYASFNMWONGROMYVALNGKGAPRR 120
Db 129 NYILAMNKGKGLYSGKEFNNDCKLKERIEBENGYNNTYASFNMWONGROMYVALNGKGAPRR 188
QY 121 GQKTRKNTSAHFLEPMVYHS 140
Db 189 GQKTRKNTSAHFLEPMVYHS 208

RESULT 3
Q96P59 PRELIMINARY; PRT; 208 AA.
ID Q96P59;
AC Q96P59;
DT 01-DEC-2001 (TrEMBLrel. 19, Created)
DT 01-DEC-2001 (TrEMBLrel. 19, Last sequence update)
DT 01-OCT-2003 (TrEMBLrel. 25, Last annotation update)
DE Keratinocyte growth factor 2.
OS Homo sapiens (Human).
OS Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Mammalia; Eutheria; Primates; Catarrhini; Hominiidae; Homo.
OG FGF10.

```

OX	NCBI_TaxID=9606;
RP	[1]
RN	SEQUENCE FROM N.A.
RA	Zhang Y., Zhang B., Zhou Y., Peng X., Yuan J., Qiang B.;
RL	Submitted (AUG-2001) to the EMBL/GenBank/DDBJ databases.
RR	EMBL; AF411527; AAL05875.1; -
DR	GO; GO:0008083; F:growth factor activity; IEA.
DR	InterPro; IPR008996; Cytok IL1_like.
DR	InterPro; IPR002348; IL1_HBGF.
DR	Pfam; PF00167; FGF; 1
DR	PRINTS; PR00262; IL1HBGF.
DR	ProDom; PD000831; IL1_HBGF; 1.
DR	SMART; SM00442; FGF; 1.
DR	PROSITE; PS00247; HBGF_FGF; 1.
SQ	SEQUENCE 208 AA; 23433 MW; D6C77E96D4885C10 CRC64;
Query Match	98.7%; Score 738; DB 4; Length 208;
Best Local Similarity	98.6%; Pred. No. 4.2e-60; Gaps 0;
Matches 138; Conservative	0; Mismatches 2; Indels 0;
QY	1 SYNHLQGDVVRWKLFSFTKFLKIENXKVSGTKKENCPCYSILEITSVIGVAVKAINS 60
Db	69 SYNHLQGDVVRWKLFSFTKFLKIENXKVSGTKKENCPCYSILEITSVIGVAVKAINS 128
QY	61 NYYLARNKKGLYSGKEFNNDCKLERISEHNGVNIYASFWOHNGROMYVALNGKGAPRR 120
Db	129 NYYLARNKKGLYSGKEFNNDCKLERISEHNGVNIYASFWOHNGROMYVALNGKGAPRR 188
QY	121 GOKTERKNTSAHELPMVVHS 140
Db	189 GOKTRKNTSAHELPMVVHS 208
RESULT 4	
Q9NIB9	PRELIMINARY; PRT; 213 AA.
ID	Q9NIB9
AC	Q9NIB9; 01-OCT-2000 (TrEMBLrel. 15, Created)
DT	01-OCT-2000 (TrEMBLrel. 15, Last sequence update)
DD	01-OCT-2003 (TrEMBLrel. 25, Last annotation update)
DE	Fibroblast growth factor 10.
GN	FGF-10.
OS	Ovis aries (Sheep).
OC	Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC	Mammalia; Eutheria; Cetartiodactyla; Ruminantia; Pecora; Bovidae;
OC	Bovidae; Caprinae; Ovis.
CC	NCBI_TaxID=9940;
CX	[1]
RN	SEQUENCE FROM N.A.
RP	TISSUE=Endometrium;
RC	MEDLINE=20411101; PubMed=10952944;
RA	Chen C., Spencer T.E., Bazer F.W.;
RT	"Fibroblast growth factor-10: A stromal mediator of epithelial function in the ovine uterus."
RL	Biol. Reprod. 63:959-966(2000).
DR	EMBL; AF213396; AAF25944.1; -
DR	HSP; P13371; IG82
DR	GO; GO:0008083; F:growth factor activity; IEA.
DR	InterPro; IPR008996; Cytok_IL1_like.
DR	InterPro; IPR002348; IL1_HBGF.
DR	Pfam; PF00167; FGF; 1.
DR	PRINTS; PR00262; IL1HBGF.
DR	ProDom; PD000831; IL1_HBGF; 1.
DR	SMART; SM00442; FGF; 1.
DR	PROSITE; PS00247; HBGF_FGF; 1.
SQ	SEQUENCE 213 AA; 23768 MW; C347149A81C15634 CRC64;
Query Match	97.9%; Score 732.5; DB 6; Length 213;
Best Local Similarity	99.3%; Pred. No. 1.4e-59;
Matches 139; Conservative	0; Mismatches 0; Indels 1; Gaps 1;
QY	1 SYNHLQGDVVRWKLFSFTKFLKIENXKVSGTKKENCPCYSILEITSVIGVAVKAINS 60
Db	69 SYNHLQGDVVRWKLFSFTKFLKIENXKVSGTKKENCPCYSILEITSVIGVAVKAINS 128
QY	61 NYYLARNKKGLYSGKEFNNDCKLERISEHNGVNIYASFWOHNGROMYVALNGKGAPRR 120
Db	129 NYYLARNKKGLYSGKEFNNDCKLERISEHNGVNIYASFWOHNGROMYVALNGKGAPRR 188
QY	121 GOKTERKNTSAHELPMVVHS 140
Db	189 GOKTRKNTSAHELPMVVHS 208
RESULT 4	
Q9NIB9	PRELIMINARY; PRT; 213 AA.
ID	Q9NIB9
AC	Q9NIB9; 01-OCT-2000 (TrEMBLrel. 15, Created)
DT	01-OCT-2000 (TrEMBLrel. 15, Last sequence update)
DD	01-OCT-2003 (TrEMBLrel. 25, Last annotation update)
DE	Fibroblast growth factor 10.
GN	FGF-10.
OS	Ovis aries (Sheep).
OC	Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC	Mammalia; Eutheria; Cetartiodactyla; Ruminantia; Pecora; Bovidae;
OC	Bovidae; Caprinae; Ovis.
CC	NCBI_TaxID=9940;
CX	[1]
RN	SEQUENCE FROM N.A.
RP	TISSUE=Endometrium;
RC	MEDLINE=20411101; PubMed=10952944;
RA	Chen C., Spencer T.E., Bazer F.W.;
RT	"Fibroblast growth factor-10: A stromal mediator of epithelial function in the ovine uterus."
RL	Biol. Reprod. 63:959-966(2000).
DR	EMBL; AF213396; AAF25944.1; -
DR	HSP; P13371; IG82
DR	GO; GO:0008083; F:growth factor activity; IEA.
DR	InterPro; IPR008996; Cytok_IL1_like.
DR	InterPro; IPR002348; IL1_HBGF.
DR	Pfam; PF00167; FGF; 1.
DR	PRINTS; PR00262; IL1HBGF.
DR	ProDom; PD000831; IL1_HBGF; 1.
DR	SMART; SM00442; FGF; 1.
DR	PROSITE; PS00247; HBGF_FGF; 1.
SQ	SEQUENCE 213 AA; 23768 MW; C347149A81C15634 CRC64;
Query Match	97.9%; Score 732.5; DB 6; Length 213;
Best Local Similarity	99.3%; Pred. No. 1.4e-59;
Matches 139; Conservative	0; Mismatches 0; Indels 1; Gaps 1;
QY	1 SYNHLQGDVVRWKLFSFTKFLKIENXKVSGTKKENCPCYSILEITSVIGVAVKAINS 60
Db	69 SYNHLQGDVVRWKLFSFTKFLKIENXKVSGTKKENCPCYSILEITSVIGVAVKAINS 128
QY	61 NYYLARNKKGLYSGKEFNNDCKLERISEHNGVNIYASFWOHNGROMYVALNGKGAPRR 120
Db	129 NYYLARNKKGLYSGKEFNNDCKLERISEHNGVNIYASFWOHNGROMYVALNGKGAPRR 188
QY	121 GOKTERKNTSAHELPMVVHS 140
Db	189 GOKTRKNTSAHELPMVVHS 208
RESULT 4	
Q9NIB9	PRELIMINARY; PRT; 213 AA.
ID	Q9NIB9
AC</	

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PRINTS; PR00262; IL1HBGF.
 PRODUM; PD000831; IL1 HBGF; 1.
 SMART; SM00442; FGF; 1.
 PROSITE; PS00247; HBGF FGF; 1.
 Growth factor; Mitogen; Signal.
 SIGNAL 1 31 BY SIMILARITY.
 CHAIN 32 194 KERATINOCYTE GROWTH FACTOR.
 CARBOHYD 45 45 N-LINKED (GLCNAC...) (POTENTIAL).
 SEQUENCE 194 AA; 22476 MW; 88455630488F14D6 CRC64;
 Query Match 55.5%; Score 415.5; DB 1; Length 194;
 Best Local Similarity 54.0%; Pred. No. 7.9e-33;
 Matches 75; Conservative 30; Mismatches 33; Indels 1; Gaps 1;
 1 SYNHLQ-GDVWRKLFSPFYKFKIKNGKVSSTKENCPCYSILBITSVIGWVAVKAIN 59
 55 SYDYMEGGDIRVRLFCRTQWYLRIDKRGKVGTOEMKSNYINMEIRTVAVGIVAKGVE 114
 60 SNVYLANMKKGLYSGKEFNNDCKLKERIEENGNTYASFNWQHNGRQMYVALNGKAPR 119
 115 SEYVLANMKKGLYAKKECNCDFKELILENHNTYASAKWTHSGEMFVALNGKGPV 174
 120 RGQTRKNTSAHFLPMV 138
 175 RGKTKKEQKTAHFLPMAI 193
 T 8
 HUMAN
 FGF7_HUMAN STANDARD; PRT; 194 AA.
 P21781;
 01-MAY-1991 (Rel. 18, Created)
 01-MAY-1991 (Rel. 18, Last sequence update)
 26-FEB-2003 (Rel. 41, Last annotation update)
 Keratinocyte growth factor precursor (KGF) (fibroblast growth factor-7) (FGF-7) (HBGF-7).
 FGF7 OR KGF.
 Homo sapiens (Human).
 Eukaryota; Metazoa; Chordata; Vertebrata; Euteleostomi;
 Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
 NCBI_TaxID=9606;
 [1]
 SEQUENCE FROM N.A., AND SEQUENCE OF 32-50.
 MEDLINE=89368897; PubMed=2475908;
 Finch P.W., Rubin J.S., Miki T., Ron D., Aaronson S.A.;
 "Human KGF is FGF-related with properties of a paracrine effector of epithelial cell growth."
 Science 245:752-755(1989).
 [2]
 SEQUENCE FROM N.A.
 MEDLINE=92152720; PubMed=1664700;
 Aaronson S.A., Bottaro D.P., Miki T., Ron D., Finch P.W.,
 Fleming T.P., Ahn J., Taylor W.G., Rubin J.S.;
 "Keratinocyte growth factor. A fibroblast growth factor family member with unusual target cell specificity."
 Ann. N.Y. Acad. Sci. 638:62-77(1991).
 [3]
 SEQUENCE OF 32-44.
 MEDLINE=89128865; PubMed=2915979;
 Rubin J.S., Osada H., Finch P.W., Taylor W.G., Rudikoff S.,
 Aaronson S.A.;
 "Purification and characterization of a newly identified growth factor specific for epithelial cells."
 Proc. Natl. Acad. Sci. U.S.A. 86:802-806(1989).
 -!- FUNCTION: Growth factor active on keratinocytes. Possible major paracrine effector of normal epithelial cell proliferation.
 -!- SUBCELLULAR LOCATION: Secreted.
 - TISSUE SPECIFICITY: EPITHELIAL CELL.
 - SIMILARITY: Belongs to the heparin-binding growth factors family.
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EMBL; M60828; AAB63210.1; -
 EMBL; S81661; AAB21431.1; -
 PIR; A36301; A36301.
 HSP; P31371; IG82.
 Genew; HGNC:3685; FGF7.
 MIM; 148180; -
 DR GO:0008083; F growth factor activity; TAS.
 DR GO:0008544; P:epidermal differentiation; TAS.
 DR GO:0008284; P:positive regulation of cell proliferation; TAS.
 DR GO:0009611; P:response to wounding; TAS.
 DR InterPro; IPR008996; Cytok IL1-like.
 DR InterPro; IPR002348; IL1_HBGF.
 DR Pfam; PF00167; FGF; 1.
 DR PRINTS; PR00262; IL1HBGF.
 DR ProDom; PD000831; IL1 HBGF; 1.
 DR SMART; SM00442; FGF; 1.
 DR PROSITE; PS00247; HBGF FGF; 1.
 Growth factor; Mitogen; Signal.
 SIGNAL 1 31
 FT CHAIN 32 194 KERATINOCYTE GROWTH FACTOR.
 FT CARBOHYD 45 45 N-LINKED (GLCNAC...) (POTENTIAL).
 FT SEQUENCE 194 AA; 22509 MW; E19192474E6049E2 CRC64;
 Query Match 55.4%; Score 414.5; DB 1; Length 194;
 Best Local Similarity 54.0%; Pred. No. 9.7e-33;
 Matches 75; Conservative 30; Mismatches 33; Indels 1; Gaps 1;
 QY 1 SYNHLQ-GDVWRKLFSPFYKFKIKNGKVSSTKENCPCYSILBITSVIGWVAVKAIN 59
 DB 55 SYDYMEGGDIRVRLFCRTQWYLRIDKRGKVGTOEMKSNYINMEIRTVAVGIVAKGVE 114
 QY 60 SNVYLANMKKGLYSGKEFNNDCKLKERIEENGNTYASFNWQHNGRQMYVALNGKAPR 119
 DB 115 SEYVLANMKKGLYAKKECNCDFKELILENHNTYASAKWTHSGEMFVALNGKGPV 174
 QY 120 RGQTRKNTSAHFLPMV 138
 DB 175 RGKTKKEQKTAHFLPMAI 193
 RESULT 9
 FGF7_MOUSE
 ID FGF7_MOUSE STANDARD; PRT; 194 AA.
 AC P36363;
 DT 01-JUN-1994 (Rel. 29, Created)
 DT 01-JUN-1994 (Rel. 29, Last sequence update)
 DT 15-MAR-2004 (Rel. 43, Last annotation update)
 DE Keratinocyte growth factor precursor (KGF) (Fibroblast growth factor-7) (FGF-7) (HBGF-7).
 GN FGF7 OR FGF-7.
 OS Mus musculus (Mouse).
 OC Eukaryota; Metazoa; Chordata; Vertebrata; Euteleostomi;
 OC Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
 OX NCBI_TaxID=10090;
 [1]
 SEQUENCE FROM N.A.
 RP MEDLINE=94242659; PubMed=8186145;
 RA Mason I.J., Fuller-Pace F., Smith R., Dickson C.;
 "FGF-7 (keratinocyte growth factor) expression during mouse development suggests roles in myogenesis, forebrain regionalisation and epithelial-mesenchymal interactions."
 Mech. Dev. 45:15-30(1994).
 [2]
 RP SEQUENCE FROM N.A.
 RC STRAIN=FVB/N;
 RA Jones M.L., Dato M.B., Greenberg J.M.;
 Submitted (MAY-1996) to the EMBL/GenBank/DBJ databases.
 [3]

SEQUENCE FROM N.A.
 STRAIN=C3H/He; TISSUE=Osteoblast;
 MEDLINE=22388257; PubMed=12477932;
 Klausner R.L., Feingold E.A., Grouse L.H., Derge J.G.,
 Brownstein M.J., Udell T.B., Toshiyuki S., Carninci P., Prange C.,
 Altschul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bhat N.K.,
 Hopkins R.F., Jordan H., Moore T., Max S.I., Wang J., Hsieh F.,
 Diatchenko L., Marusina K., Farmer A.A., Rubin G.M., Hong L.,
 Scapleton M., Soares M.B., Bonaldo M.F., Casavant T.L., Scheetz T.E.,
 Brownstein M.J., Udell T.B., Toshiyuki S., Carninci P., Prange C.,
 Raha S.S., Loquellano P.A., Peters G.J., Abramson R.D., Mullaly S.J.,
 Basak S.A., McEwan N.J., McKernan K.J., Malek J.A., Gunaratne P.H.,
 Richards S., Worley K.C., Hale S., Garcia A.M., Gay L.J., Hulyk S.W.,
 Villalon D.K., Muzny D.M., Sodergren E.J., Lu X., Gibbs R.A.,
 Fahey J., Helton E., Kettner M., Madan A., Rodriguez S., Sanchez A.,
 Whitting M., Madan A., Young A.C., Shevchenko Y., Bouffard G.G.,
 Blakesley R.W., Touchman J.W., Green E.D., Dickson M.C.,
 Rodriguez A.C., Grimwood J., Schmutz J., Myers R.M.,
 Butterfield Y.S.N., Krzywinski M.I., Skalska U., Smalley D.E.,
 Schnerch A., Schein J.E., Jones S.J.M., Mavris M.A.,
 "Generation and initial analysis of more than 15,000 full-length
 human and mouse cDNA sequences";
 Proc. Natl. Acad. Sci. U.S.A. 99:11689-11693 (2002).
 paracrine effector of normal epithelial cell proliferation.
 -1- FUNCTION: Growth factor active on keratinocytes. Possible major
 paracrine effector of normal epithelial cell proliferation.
 -1- SIMILARITY: Belongs to the heparin-binding growth factors family.
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 or send an email to license@isb-sib.ch).
 EMBL; Z22703; CAA80403.1; -
 EMBL; U58503; AAB01343.1; -
 EMBL; BC052847; AAH52847.1; -
 F1R; I48610; I48610.
 HSP; P31371; I682.
 MGD; MGI:95521; Fgf7.
 InterPro; IPR008996; Cytok_IL1_like.
 InterPro; IPR002348; IL1_HBGF.
 Pfam; PF00167; FGF; 1.
 PRINTS; PR00262; IL1HBGF.
 ProDom; PD000831; IL1_HBGF; 1.
 SMART; SM00442; FGF; 1.
 SMART; SM00442; FGF; 1.
 PROSITE; PS00247; HBGF_FGF; 1.
 Growth factor; Mitogen; Signal.
 SIGNAL 1 31 BY SIMILARITY.
 CHAIN 32 194 KERATINOCYTE GROWTH FACTOR.
 CARBOHYD 45 45 N-LINKED (GLCNAC...) (POTENTIAL).
 SEQUENCE 194 AA; 22347 MW; 805C30D4B1D27C73 CRC64;
 Query Match 55.0%; Score 411.5; DB 1; Length 194;
 st Local Similarity 53.2%; Pred. No. 1.9e-32;
 tches 74; Conservative 31; Mismatches 33; Indels 1; Gaps 1;
 1 SYNHLQ-GDVRWRKLFSPFKYFLKTEKNGKVSQTKKNCPCYSILEITSVIGVAVKAIN 59
 55 SYDMEGGDIRVRLFCRTQWYLRIDKRGKVGKQEMKNYSNIMEIRTVAVGIVAKGVE 114
 60 SNYLLAMNKGKLYGSKFNNDCKLKERIENGNTYASFNWQHNGQWYVALNGKGAIR 119
 115 SEYLLAMNKGKLYAKKCEKNECNFKELLENHYNTYASAKWTHSGGEMFVALNQKGPV 174
 120 RGKTRKNTSAHFLPMVV 138
 175 KGKTKKEQKTAHFLPMV 193

1/1

FGF7_PIG STANDARD; PRT; 194 AA.
 ID QN138;
 DT 16-OCT-2001 (Rel. 40, Created)
 DT 16-OCT-2001 (Rel. 40, Last sequence update)
 DT 28-FEB-2003 (Rel. 41, Last annotation update)
 DE Keratinocyte growth factor precursor (KGF) (Fibroblast growth factor-
 7) (FGF-7) (HBGF-7).
 DE FGF7.
 GN Sus scrofa (Pig).
 OS Sus scrofa (Pig).
 OC Eukaryota; Metazoa; Chordata; Vertebrata; Euteleostomi;
 OC Mammalia; Eutheria; Cetartiodactyla; Suina; Suidae; Sus.
 OC NCBI_TaxID=9823;
 RN NCBI_TaxID=9823;
 RP SEQUENCE FROM N.A.
 RC TISSUE=Endometrium;
 EC MEDLINE=20397022; PubMed=10819782;
 RA Ka H., Spencer T.B., Johnson G.A., Bazer F.W.,
 "Keratinocyte growth factor: expression by endometrial epithelia of
 the porcine uterus";
 RT Biol. Reprod. 62:1772-1778 (2000).
 RL Biol. Reprod. 62:1772-1778 (2000).
 CC -1- FUNCTION: Growth factor active on keratinocytes. Possible major
 paracrine effector of normal epithelial cell proliferation (By
 similarity).
 CC -1- SUBCELLULAR LOCATION: Secreted (By similarity).
 CC -1- SIMILARITY: Belongs to the heparin-binding growth factors family.
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 EMBL; AF217463; AAF26734.1; -
 DR HSP; P31371; I682.
 DR InterPro; IPR008996; Cytok_IL1_like.
 DR InterPro; IPR002348; IL1_HBGF.
 DR Pfam; PF00167; FGF; 1.
 DR PRINTS; PR00262; IL1HBGF.
 DR ProDom; PD000831; IL1_HBGF; 1.
 DR SMART; SM00442; FGF; 1.
 DR SMART; SM00442; FGF; 1.
 DR PROSITE; PS00247; HBGF_FGF; 1.
 Growth factor; Mitogen; Signal.
 FT SIGNAL 1 31 BY SIMILARITY.
 FT CHAIN 32 194 KERATINOCYTE GROWTH FACTOR.
 FT CARBOHYD 45 45 N-LINKED (GLCNAC...) (POTENTIAL).
 FT SEQUENCE 194 AA; 22463 MW; BA449B5B45A731B0 CRC64;
 Query Match 54.2%; Score 405.5; DB 1; Length 194;
 Best Local Similarity 53.2%; Pred. No. 7.1e-32;
 Matches 74; Conservative 30; Mismatches 34; Indels 1; Gaps 1;
 QY 1 SYNHLQ-GDVRWRKLFSPFKYFLKTEKNGKVSQTKKNCPCYSILEITSVIGVAVKAIN 59
 DB 55 SYDMEGGDIRVRLFCRTQWYLRIDKRGKVGKQEMKNYSNIMEIRTVAVGIVAKGIV 114
 QY 60 SNYLLAMNKGKLYGSKFNNDCKLKERIENGNTYASFNWQHNGQWYVALNGKGAIR 119
 DB 115 SEYLLAMNKGKLYAKKCEKNECNFKELLENHYNTYASAKWTHSGGEMFVALNQKGPV 174
 QY 120 RGKTRKNTSAHFLPMVV 138
 DB 175 KGKTKKEQKTAHFLPMV 193
 RESULT 11
 FGF7_PIG STANDARD; PRT; 194 AA.
 ID QN138;
 DT 01-JUL-1993 (Rel. 26, Created)
 DT 01-JUL-1993 (Rel. 26, Last sequence update)

[illegible]

Gallus.
 NCBI_TaxID=9031;
 [1]
 SEQUENCE FROM N.A.
 STRAIN=Rhode Island red; TISSUE=Embryo;
 MEDLINE=95309122; PubMed=7789270;
 Mahmood R., Kiefer P., Guthrie S., Dickson C., Mason I.;
 "Multiple roles for FGF-3 during cranial neural development in the
 chicken";
 Development 121:1399-1410(1995).
 CC -!- FUNCTION: POTENT MITOGEN AND TRANSFORMING AGENT (BY SIMILARITY).
 CC -!- SIMILARITY: Belongs to the heparin-binding growth factors family.
 CC -----
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 CC -----
 DR EMBL; Z47555; CAA87635.1; -;
 DR PIR; I50588; I50588.
 DR HSSP; P31371; I50588.
 DR InterPro; IPR008996; Cytok_IL1_like.
 DR InterPro; IPR002348; IL1_HBGF.
 DR Pfam; PF00167; FGF; 1.
 DR PRINTS; PR00262; IL1HBGF.
 DR ProDom; PD000831; IL1_HBGF; 1.
 DR SMART; SM00442; FGF; 1.
 DR PROSITE; PS00247; HBGF_FGF; 1.
 DR Growth factor; Mitogen; Signal; Glycoprotein.
 FT SIGNAL 1 19 POTENTIAL.
 FT CHAIN 20 220 FIBROBLAST GROWTH FACTOR-3.
 FT CARBOHYD 66 66 N-LINKED (GLCNAC. .) (POTENTIAL).
 SQ SEQUENCE 220 AA; 25050 MW; B15D41D1B551C5D5 CRC64;

Query Match 48.5%; Score 363; DB 1; Length 220;
 Best Local Similarity 49.7%; Pred. No. 9.6e-28;
 Matches 75; Conservative 25; Mismatches 39; Indels 12; Gaps 2;
 2 YNHLDGVWRKLFSTKYLKIEKNGKVGSTKENCPSYLSILEITSVIGVAVKAINSN 61
 37 YEHLLGAPRRKLYCATKYLHQPCKINGTLEKNSVFSILEITAVDVGIVAKGLFSG 96
 62 YILAMNKKGLYGSKEFNDCLEKRIEENGNTYAS--FNWQHG-----RQMY 109
 97 RYLAMNKGRLYASENYNTPECFEVRHIELGYNTYASRLYRTVPSGAGTKRKASAERLWY 156

SULT 14
 F3_XENLA
 P36386;
 01-JUN-1994 (Rel. 29, Created)
 01-JUN-1994 (Rel. 29, Last sequence update)
 01-NOV-1997 (Rel. 35, Last annotation update)
 Fibroblast growth factor-3 precursor (FGF-3) (INT-2).
 FGF3.
 Xenopus laevis (African clawed frog).
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 Amphibia; Batrachia; Anura; Mesobatrachia; Pipoidae; Pipidae;
 Xenopodinae; Xenopus.
 NCBI_TaxID=8355;
 [1]
 SEQUENCE FROM N.A., AND PARTIAL SEQUENCE.
 MEDLINE=94038898; PubMed=8223431;
 Kiefer P., Mathieu M., Close J.M., Peters G., Dickson C.;
 "FGF3 from Xenopus laevis";

EMBO J. 12:4159-4168(1993).
 [2]
 RN SEQUENCE OF 39-137 FROM N.A.
 RP TISSUE=Neurula;
 RX MEDLINE=93048831; PubMed=1425349;
 RA Tamahill D., Isaacs H.V., Close M.J., Peters G., Slack J.M.W.;
 "Developmental expression of the Xenopus int-2 (FGF-3) gene:
 activation by mesodermal and neural induction";
 Development 115:695-702(1992).
 RT Development 115:695-702(1992).
 CC -!- FUNCTION: POTENT MITOGEN AND TRANSFORMING AGENT.
 CC -!- SIMILARITY: Belongs to the heparin-binding growth factors family.
 CC -----
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 CC or send an email to license@isb-sib.ch).
 CC -----
 DR EMBL; Z25539; CAA80987.1; -;
 DR EMBL; X65237; CAA46341.1; -;
 DR PIR; S39582; S39582.
 DR HSSP; P31371; I682.
 DR InterPro; IPR008996; Cytok_IL1_like.
 DR InterPro; IPR002348; IL1_HBGF.
 DR Pfam; PF00167; FGF; 1.
 DR PRINTS; PR00262; IL1HBGF.
 DR ProDom; PD000831; IL1_HBGF; 1.
 DR SMART; SM00442; FGF; 1.
 DR PROSITE; PS00247; HBGF_FGF; 1.
 DR Growth factor; Mitogen; Signal; Glycoprotein.
 FT SIGNAL 1 21
 FT CHAIN 22 237 FIBROBLAST GROWTH FACTOR-3.
 FT CARBOHYD 83 83 N-LINKED (GLCNAC. .)
 SQ SEQUENCE 237 AA; 26984 MW; EDD31B0893567A2D CRC64;
 Query Match 47.9%; Score 358; DB 1; Length 237;
 Best Local Similarity 49.7%; Pred. No. 3.1e-27;
 Matches 74; Conservative 26; Mismatches 37; Indels 12; Gaps 2;
 2 YNHLDGVWRKLFSTKYLKIEKNGKVGSTKENCPSYLSILEITSVIGVAVKAINSN 61
 54 YEHLLGAPRRKLYCATKYLHQPCKINGTLEKNSVFSILEITAVDVGIVAKGLFSG 113
 62 YILAMNKKGLYGSKEFNDCLEKRIEENGNTYAS--FNWQHG-----RQMY 109
 114 RYLAMNKGRLYASENYNTPECFEVRHIELGYNTYASRLYRTVPSGAGTKRKASAERLWY 173
 110 VALNGKAPRRGQTKRRKNTSAHFLPMVW 138
 174 VSVNGKRRGRGFKTRRTQKSLFLPRVL 202
 RESULT 15
 FGF3_MOUSE
 ID FGF3_MOUSE STANDARD; PRT; 245 AA.
 AC P05524;
 DT 01-NOV-1988 (Rel. 09, Created)
 DT 01-NOV-1988 (Rel. 09, Last sequence update)
 DT 28-FEB-2003 (Rel. 41, Last annotation update)
 DE INT-2 proto-oncogene protein precursor (Fibroblast growth factor-3)
 DE (FGF-3) (HBGF-3).
 DE FGF3 OR FGF-3 OR INT-2.
 GN Mus musculus (Mouse).
 OS Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 OC Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
 OX NCBI_TaxID=10090;
 RN [1]
 RP SEQUENCE FROM N.A.
 RX MEDLINE=86247582; PubMed=3013624;
 RA Moore R., Casey G., Brookes S., Dixon M., Peters G., Dickson C.;
 "Sequence, topography and protein coding potential of mouse int-2: a

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: March 26, 2004, 03:25:26 ; Search time 43 Seconds
(without alignments)
169.531 Million cell updates/sec

Title: US-10-035-212-2_COPY_69_208

Perfect score: 748

Sequence: 1 SYNHLQDVNRKLFSTFKY.....GOKTRKNTSAHFLPMVHS 140

Scoring table:

BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 141681 seqs, 52070155 residues

Total number of hits satisfying chosen parameters: 141681

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : SwissProt_42:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	748	100.0	208	1	FGFA_HUMAN
2	748	100.0	215	1	FGFA_RAT
3	712	95.2	209	1	FGFA_MOUSE
4	435	58.2	162	1	FGFM_MOUSE
5	426	57.0	170	1	FGFM_HUMAN
6	416.5	55.7	194	1	FGF7_SHEEP
7	415.5	55.5	194	1	FGF7_CANFA
8	414.5	55.4	194	1	FGF7_HUMAN
9	411.5	55.0	194	1	FGF7_PIG
10	405.5	54.2	194	1	FGF7_RAT
11	398.5	53.3	194	1	FGF3_BRARE
12	369	49.3	256	1	FGF3_CHICK
13	363	48.5	220	1	FGF3_XENLA
14	358	47.9	237	1	FGF3_MOUSE
15	352.5	47.1	245	1	FGF3_HUMAN
16	341.5	45.7	239	1	FGF9_HUMAN
17	324	43.3	208	1	FGF9_MOUSE
18	324	43.3	208	1	FGF9_RAT
19	324	43.3	208	1	FGF3_HUMAN
20	319	42.6	207	1	FGF3_MOUSE
21	315	42.1	207	1	FGF3_XENLA
22	307	41.0	209	1	FGF9_HUMAN
23	303	40.5	211	1	FGF5_HUMAN
24	265.5	35.5	268	1	FGF5_MOUSE
25	262.5	35.1	264	1	FGF5_RAT
26	262.5	35.1	266	1	FGF5_MOUSE
27	248	33.2	245	1	FGF2_MOUSE
28	245.5	33.0	192	1	FGF2_XENLA
29	245.5	32.8	187	1	FGFA_XENLA
30	245	32.8	245	1	FGF2_HUMAN
31	241.5	32.3	208	1	FGF6_MOUSE
32	241	32.2	243	1	FGFC_HUMAN
33	239.5	32.0	208	1	FGF6_HUMAN

ALIGNMENTS

RESULT 1

FGFA_HUMAN STANDARD; PRT; 208 AA.

AC O15520;
DT 15-JUL-1999 (Rel. 38, Created)
DT 15-JUL-1999 (Rel. 38, Last sequence update)
DT 10-OCT-2003 (Rel. 42, Last annotation update)
DE Fibroblast growth factor-10 precursor (FGF-10) (Keratinocyte growth factor 2).
GN FGF10.

OS Homo sapiens (Human).
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
OX NCBI_TaxID=9606;

[1]
RP SEQUENCE FROM N.A.
RC TISSUE=Lung;
RX MEDLINE=97435285; PubMed=9287324;
RA Emoto H., Tagashira S., Mattei M.-G., Yamasaki M., Hashimoto G.,
RA Katsumata T., Negrozo T., Nakatsuoka M., Birnbaum D., Coulier P.,
RA Itoh N.;
RT "Structure and expression of human fibroblast growth factor-10.";
RL J. Biol. Chem. 272:23191-23194(1997).

[2]
RP SEQUENCE FROM N.A.
RC TISSUE=Lung;
RA Jimenez P.A., Gruber J.R., Liu B., Feng P., Florence C., Blunt A.,
RA Huddleston K.A., Teliska M., Alfonso P., Coleman T.A., Ornitz D.M.,
RA Dillon P.A., Duan R.D.;
RT "Cutaneous wound healing by keratinocyte growth factor 2.";
RL Submitted (JUL-1997) to the EMBL/GenBank/DDAJ databases.
CC -!- FUNCTION: COULD BE A GROWTH FACTOR ACTIVE IN THE PROCESS OF WOUND
HEALING. ACTS AS A MITOGEN IN THE LUNG. MAY ACT IN A MANNER
SIMILAR TO FGF-7.

CC -!- SUBCELLULAR LOCATION: Secreted (Potential).

CC -!- SIMILARITY: Belongs to the heparin-binding growth factors family.
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CC EMBL; AB002097; BAA22331.1; -.

DR EMBL; U67918; AAB61991.1; -.

DR PDB; INUN; 04-MAR-03.

DR Genew; HGNC:3666; FGF10.

DR MIM; 602115; -.

DR GO; GO:0005615; C:extracellular space; TAS.

DR GO; GO:0008083; P:growth factor activity; TAS.

DR GO; GO:0007397; P:histogenesis and organogenesis; TAS.

DR GO; GO:0000074; P:regulation of cell cycle; TAS.

DR InterPro; IPR008996; Cytok III-like.

DR InterPro; IPR002348; ILL_HBGF.

DR	Pfam; PF00167; FGF; 1.
DR	PRINTS; PR00262; ILIHGFG.
DR	ProDom; PD000831; ILI_HBGF; 1.
DR	SMART; SM00442; FGF; 1.
DR	PROSITE; PS00247; HBGF_FGF; 1.
KW	Growth factor; Glycoprotein; Signal; 3D-structure.
FT	SIGNAL 1 37 POTENTIAL.
FT	CHAIN 38 208 FIBROBLAST GROWTH FACTOR-10.
FT	DOMAIN 52 62 POLY-SER.
FT	CARBOHYD 51 51 N-LINKED (GLCNAC...) (POTENTIAL).
FT	CARBOHYD 196 196 N-LINKED (GLCNAC...) (POTENTIAL).
SQ	SEQUENCE 208 AA; 23436 MW; COA0705C10860B3 CRC64;
Query Match 100.0%; Score 748; DB 1; Length 208;	
Best Local Similarity 100.0%; Pred.No.1.2e-64;	
Matches 140; Conservative 0; Mismatches 0; Indels 0; Gaps 0;	
QY	1 SYNHLQGVDVRWRKLFSTFKYLKEKGKVSGTKENPCYSILEITSVEIGVAVKAINS 60
Db	69 SYNHLQGDVRWRKLFSTFKYLKEKGKVSGTKENCPYSILEITSVEIGVAVKAINS 128
QY	61 NYILAMNKKGLKYSGKFNNDCUKRIEENGNTVTASFNWQHGRQMVFALNGKPAPRR 120
Db	129 NYILAMNKKGLKYSGKFNNDCUKRIEENGTYTASFNWQHGRQMVFALNGKPAPRR 188
QY	121 GKTRRKNTSAHFLPMVVHS 140
Db	189 GKTRRKNTSAHFLPMVVHS 208
RESULT 2	
FGFA_RAT	FGFA RAT STANDARD; PRT; 215 AA.
ID AC	P70492;
DT	15-JUL-1999 (Rel. 38, Created)
DD	15-JUL-1999 (Rel. 38, Last sequence update)
DE	16-OCT-2001 (Rel. 40, Last annotation update)
FE	Fibroblast growth factor-10 precursor (FGF-10). FGF10.
OS	Rattus norvegicus (Rat).
OC	Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Rattus. NCBI_TaxID=10116;
OX	[1]
RP	SEQUENCE FROM N.A.
RY	STRAIN=Wistar;
RZ	MEDIA=96279129; PubMed=8663172;
RA	Yamasaki M., Miyake A., Tagashira S., Itoh N.;
RT	"Structure and expression of the rat mRNA encoding a novel member of the fibroblast growth factor family." ;
RL	J. Biol. Chem. 271:15918-15921(1996).
CC	-! FUNCTION: COULD BE A GROWTH FACTOR ACTIVE IN THE PROCESS OF WOUND HEALING. ACTS AS A MITOGEN IN THE LUNG. MAY ACT IN A MANNER SIMILAR TO FGF-7.
CC	-! SUBCELLULAR LOCATION: Secreted (Potential).
CC	-! TISSUE SPECIFICITY: PREFERENTIALLY EXPRESSED IN THE LUNG IN ADULTS.
CC	-! SIMILARITY: Belongs to the heparin-binding growth factors family.
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EMBL; D79215; BAAL1468.1; -. .	
HSSP; P31371; IG82.	
Interpro; IPRO08996; Cytok_ILI_like.	
InterPro; IPRO02348; ILI_HBGF.	
Pfam; PF00167; FGF; 1.	
PRINTS; PR00262; ILIHGFG.	

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CC -----
CC EMBL; AB021925; BAB13479.1; -;
CC EMBL; AY359084; AQ089955.1; -;
CC HSSP; P31371; IG82.
CC Genew; HGNC:3679; FGF2.
CC MIM; 605831; -;
CC GO; GO:0005615; C:extracellular space; NAS.
CC GO; GO:0030154; P:cell differentiation; NAS.
CC InterPro; IPR008996; Cytok_IL1_like.
CC InterPro; IPR002348; Cytok_IL1_HBGF.
CC Pfam; PF00167; FGF; 1.
CC PRINTS; PR00262; IL1HBGF.
CC ProDom; PD000831; IL1_HBGF; 1.
CC SMART; SM00442; FGF; 1.
CC PROSITE; PS00247; HBGF_FGF; FALSE_NEG.
CC Growth factor; Signal.
CC SIGNAL 1 22 POTENTIAL.
CC CHAIN 23 170 FIBROBLAST GROWTH FACTOR-22.
CC SEQUENCE 170 AA; 19662 MW; CB88918C2D584CE7 CRC64;

Query Match 57.0%; Score 426; DB 1; Length 170;
Best Local Similarity 54.3%; Pred. No. 6.6e-34;
Matches 75; Conservative 33; Mismatches 30; Indels 0; Gaps 0;
SQ SEQUENCE 170 AA; 19662 MW; CB88918C2D584CE7 CRC64;

QY 1 SYNHLQGDVWRKLFSTKYFKIKKNGKVGSTKENCPSYLEITSVIGVAVKAIN 60
DB 32 SYPLEGDEVRRLPSTFTFFLRVDPGGRVQGTWRHGQDSILEITRSVHGVVVIKAVSS 91
QY 61 NYLLAMNKKGLYSGEFNNCKLKERTEENGYNTYASFNWQNGROMYVALNGKAPRR 120
DB 92 GFYVAMNRCGLYSLYTVDCFRFERTEENGYNTYASQWRERGGQWFLALDRGGGRP 151
QY 121 GQKTRKNTSAHFLPMV 138
DB 152 GGRTRRYHLSAHFLPMV 169

RESULT 6
FGF7_SHEEP
ID_FGF7_SHEEP STANDARD; PRT; 194 AA.
AC P48508;
DT 01-FEB-1996 (Rel. 33, Created)
DT 01-FEB-1996 (Rel. 33, Last sequence update)
DT 01-NOV-1997 (Rel. 35, Last annotation update)
DE Keratinocyte growth factor precursor (KGF) (Fibroblast growth factor-7) (FGF-7) (HBGF-7).
GN FGF7 OR FGF-7.
OS Ovis aries (Sheep).
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Mammalia; Eutheria; Cetartiodactyla; Ruminantia; Pecora; Bovidae;
OC Bovidae; Caprinae; Ovis.
NCBI_TaxID=9940;
SEQUENCE FROM N.A.
Mitschell J.E.A., McInnes C.J.;
Submitted (OCT-1994) to the EMBL/GenBank/DBJ databases.
-!- FUNCTION: Growth factor active on keratinocytes. Possible major
paracrine effector of normal epithelial cell proliferation.
-!- SIMILARITY: Belongs to the heparin-binding growth factors family.

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entities requires a license agreement (See <http://www.isb-sib.ch/announcement/>
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DR EMBL; Z46236; CAA86306.1; -;
DR PIR; S49501; S49501.
DR HSSP; P31371; IG82.
DR InterPro; IPR008996; Cytok_IL1_like.
DR InterPro; IPR002348; Cytok_IL1_HBGF.
DR Pfam; PF00167; FGF; 1.
DR PRINTS; PR00262; IL1HBGF.
DR ProDom; PD000831; IL1_HBGF; 1.
DR SMART; SM00442; FGF; 1.
DR PROSITE; PS00247; HBGF_FGF; 1.
DR Growth factor; Mitogen; Signal.
DR SIGNAL 1 31 BY SIMILARITY.
DR CHAIN 32 194 KERATINOCYTE GROWTH FACTOR.
DR CARBOHYD 45 45 N-LINKED (GLCNAC. .) (POTENTIAL).
SQ SEQUENCE 194 AA; 22448 MW; 80FAF4BC5B76F668 CRC64;

Query Match 55.7%; Score 416.5; DB 1; Length 194;
Best Local Similarity 54.0%; Pred. No. 6.2e-33;
Matches 75; Conservative 30; Mismatches 33; Indels 1; Gaps 1;
QY 1 SYNHLQGDVWRKLFSTKYFKIKKNGKVGSTKENCPSYLEITSVIGVAVKAIN 59
DB 55 SDYHEGGDIRVRLPFTQYLRIDRKGKVGSTKENCPSYLEITSVIGVAVKAVE 114
QY 60 SNYYLAMNKKGLYSGEFNNCKLKERTEENGYNTYASFNWQNGROMYVALNGKAPRR 119
DB 115 SEYYLAMNKKGLYSGEFNNCKLKERTEENGYNTYASFNWQNGROMYVALNGKAPRR 174
QY 120 RGQTRKNTSAHFLPMV 138
DB 175 RGKTKKEQKTAHFLPMV 193

RESULT 7
FGF7_CANFA
ID_FGF7_CANFA STANDARD; PRT; 194 AA.
AC P79150;
DT 16-OCT-2001 (Rel. 40, Created)
DT 16-OCT-2001 (Rel. 40, Last sequence update)
DT 16-OCT-2001 (Rel. 40, Last annotation update)
DE Keratinocyte growth factor precursor (KGF) (Fibroblast growth factor-7) (FGF-7) (HBGF-7).
GN FGF7.

OS Canis familiaris (Dog).
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Mammalia; Eutheria; Carnivora; Fissipedia; Canidae; Canis.
NCBI_TaxID=9615;
SEQUENCE FROM N.A.
MEDLINE=9626403; PubMed=8634153;
Canatan H., Chang W.Y., Sugimoto Y., Shidaifat F., Kulp S.K.,
Brueggemeier R.W., Lin Y.C.;
"Keratinocyte growth factor (KGF/FGF-7) has a paracrine role in canine
prostate: molecular cloning of mRNA encoding canine KGF."
DNA Cell Biol. 15:247-254(1996).
-!- FUNCTION: Growth factor active on keratinocytes. Possible
major paracrine effector of normal epithelial cell proliferation.
-!- SUBCELLULAR LOCATION: Secreted.
-!- SIMILARITY: Belongs to the heparin-binding growth factors family.

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or send an email to license@isb-sib.ch)

EMBL; U80800; AAB38972.1; -;
HSSP; P31371; IG82.
InterPro; IPR008996; Cytok_IL1_like.
InterPro; IPR002348; IL1_HBGF.
Pfam; PF00167; FGF; 1.

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: March 26, 2004, 04:17:29 ; Search time 74 Seconds
(without alignments)
181.984 Million cell updates/sec

Title: US-10-035-212-2_COPY_69_208

Perfect score: 748

Sequence: 1 SYNHLQDVRWKLFSPTKY.....GQTRRNKNTSAHLPLMVVHS 140

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 283366 seqs, 96191526 residues

Total number of hits satisfying chosen parameters: 283366

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : PIR 78:*

1: Pir1:*

2: Pir2:*

3: Pir3:*

4: Pir4:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	416.5	55.7	194	2 A36301	keratinocyte growth
2	414.5	55.4	194	2 A36301	fibroblast growth
3	411.5	55.0	194	2 I48610	keratinocyte growth
4	407.5	54.5	194	2 S26049	fibroblast growth
5	369	49.3	256	2 JC4627	fibroblast growth
6	363	48.5	220	2 I50588	fibroblast growth
7	358	47.9	237	1 S39582	transforming prote
8	352.5	47.1	245	1 TVMST2	transforming prote
9	341.5	45.7	239	1 S04742	fibroblast growth
10	324	43.3	208	2 A66486	fibroblast growth
11	324	43.3	208	2 A48137	fibroblast growth
12	319	42.6	207	2 JC5941	fibroblast growth
13	315	42.1	207	2 JC5940	fibroblast growth
14	304	40.6	208	2 JC7082	fibroblast somatot
15	303	40.5	211	2 JC7353	fibroblast growth
16	302	40.4	212	2 JC7511	fibroblast growth
17	301	40.2	97	2 B46289	keratinocyte growth
18	297	39.7	98	2 C46289	keratinocyte growth
19	269	36.0	96	2 D46289	keratinocyte growth
20	265.5	35.5	267	1 TVHUF5	fibroblast growth
21	262.5	35.1	264	2 A36207	fibroblast growth
22	262.5	35.1	266	2 S68144	fibroblast growth
23	246.5	33.0	192	2 S54407	embryonic fibrobla
24	245.5	32.8	187	2 S23595	embryonic fibrobla
25	241.5	32.3	208	2 S34192	fibroblast growth
26	239.5	32.0	208	2 S20102	fibroblast growth
27	239	32.0	168	2 JC6184	fibroblast growth
28	234.5	31.4	194	2 I50710	fibroblast growth
29	203	27.1	146	1 S00185	basic fibroblast g

30 203 27.1 154 2 A31674 basic fibroblast g
31 203 27.1 154 2 C37360 basic fibroblast g
32 203 27.1 157 1 GKBOB basic fibroblast g
33 203 27.1 210 2 A32398 basic fibroblast g
34 202 27.0 155 1 A33665 acidic fibroblast
35 201 26.9 413 2 H88481 protein let-756 [i
36 200 26.7 155 2 S04147 acidic fibroblast
37 200 26.7 155 2 D37360 acidic fibroblast
38 198 26.5 135 1 A60721 basic fibroblast g
39 198 26.5 164 2 S31622 acidic fibroblast g
40 197 26.3 155 1 GKBOA acidic fibroblast
41 196 26.2 152 2 JH0476 acidic fibroblast
42 196 26.2 155 2 JH0055 acidic fibroblast
43 195.5 26.1 206 1 TVHUF5 fibroblast growth
44 195 26.1 189 2 A48334 basic fibroblast g
45 194 25.9 155 2 A60130 acidic fibroblast

ALIGNMENTS

RESULT 1

S49501

keratinocyte growth factor - sheep

C:Species: Ovis orientalis aries, Ovis ammon aries (domestic sheep)

C>Date: 20-Feb-1995 #sequence_revision 20-Feb-1995 #text_change 16-Jul-1999

C:Accession: S49501

R: Mitchell, J.B.A.; McInnes, C.J.

Submitted to the EMBL Data Library, October 1994

A:Description: Cloning of a cDNA encoding ovine keratinocyte growth factor.

A:Reference number: S49501

A:Accession: S49501

A:Status: preliminary

A:Molecule type: DNA

A:Residues: 1-194 <MIT>

A:Cross-references: EMBL:Z46236; NID:G559503; PIDN:CAA86306.1; PID:G559504

C:Superfamily: fibroblast growth factor

Query Match 55.7%; Score 416.5; DB 2; Length 194;

Best Local Similarity 54.0%; Pred. No. 9.6e-33;

Matches 75; Conservative 30; Mismatches 33; Indels 1; Gaps 1;

QY 1 SYNHLQGDVRWKLFSPTKYFLKIKNGKVSCTKENCPYSILEITSVEIGVAVKAIN 59
DB 55 SYDMEGGDIRVRLFCRTQWYLRIDKRGKVGKTQEMKNYINMEIRTVAVGIVAIKGE 114
QY 60 SNYYLANNKKGKLYGSKFEFNNDCKLKERIEBNGYNTYASFNWQHNGROMYVALNGKAPR 119
DB 115 SEYLYANNKKGKLYAKKECNCDFKELILENHNTYASAKWTHSGEMFVALNSKGVFV 174
QY 120 RGQTRRNKNTSAHLPLMVV 138
DB 175 RGKTKKEQKTAHFLPMAL 193

RESULT 2

A36301

fibroblast growth factor 7 precursor [validated] - human

N:Alternate names: keratinocyte growth factor

C:Species: Homo sapiens (man)

C>Date: 28-Mar-1991 #sequence_revision 07-Jul-1995 #text_change 08-Dec-2000

C:Accession: A36301; A31453; A46289; I51958

R: Finch, P.W.; Rubin, J.S.; Miki, T.; Ron, D.; Aaronson, S.A.

Science 245, 752-755, 1989

A:Title: Human KGF is FGF-related with properties of a paracrine effector of epithelia

A:Reference number: A36301; MUID:89368897; PMID:2475908

A:Accession: A36301

A:Molecule type: mRNA

A:Residues: 1-194 <FIN>

A:Cross-references: GB:M60828; NID:G186738; PIDN:AAA63210.1; PID:G186739; GB:M65295

R: Rubin, J.S.; Osada, H.; Finch, P.W.; Taylor, W.G.; Rudnikoff, S.; Aaronson, S.A.

Proc. Natl. Acad. Sci. U.S.A. 86, 802-806, 1989

A:Title: Purification and characterization of a newly identified growth factor specifi

A;Reference number: A31453; MUID:89128865; PMID:2915979
A;Accession: A31453
A;Molecule type: protein
A;Residues: 'X',33-44 <RUB>
A;Experimental source: embryonic lung cell fibroblast line M426
R;Kellay, M.J.; Pech, M.; Seauane, H.N.; Rubin, J.S.; O'Brien, S.J.; Aaronson, S.A.
Proc. Natl. Acad. Sci. U.S.A. 89, 9287-9291, 1992
A;Title: Emergence of the keratinocyte growth factor multigene family during the great a
A;Reference number: A46289; MUID:93028449; PMID:1403637
A;Accession: A46289
A;Molecule type: DNA
A;Residues: 97-194 <REL>
A;Note: sequence extracted from NCBI backbone (NCBIN:115887, NCBI:P:115889)
R;Aaronson, S.A.; Bottaro, D.P.; Miki, T.; Ron, D.; Finch, P.W.; Fleming, T.P.; Ahn, J.;
Ann. N. Y. Acad. Sci. 638, 62-77, 1991
A;Title: Keratinocyte growth factor. A fibroblast growth factor family member with unusu
A;Reference number: I51958; MUID:92152720; PMID:1664700
A;Accession: I51958
A;Status: translated from GB/EMBL/DBJ
A;Molecule type: mRNA
A;Residues: 1-194 <AAR>
A;Cross-references: GB:S81661; NID:G245438; PIDN:AA821431.1; PID:G245439
C;Genetics:
A;Gene: GDB:FGF7
A;Cross-references: GDB:131444; OMIM:148180
A;Map position: 15q13-15q22
A;Note: the human genome contains about 16, intron-containing, partial copies of this ge
C;Superfamily: fibroblast growth factor
C;Keywords: extracellular protein; growth factor; heparin binding; mitogen
F;1-31/Domain: signal sequence #status predicted <SIG>
F;32-194/Product: fibroblast growth factor 7 #status experimental <MAT>
Query Match 55.4%; Score 414.5; DB 1; Length 194;
Best Local Similarity 54.0%; Pred. No. 1.5e-32;
Matches 75; Conservative 30; Mismatches 33; Indels 1; Gaps 1;
QY 1 SYNHLQ-GDVWRKLPSTFKYFLKIEKNGKVGSGTKKNCPCYSILEITTSVEIGVVAVKAIN 59
Db 55 SYDYMEGGDIRVRLFCRTQWYLIDKRGKVGTOEMKNYNIMEIRTVAVGIVAIGVE 114
QY 60 SNYLLAMNKKGLYSGKEFNNDCKLKERIEENGNTYASFNQHNQMGQYVALNGKGPV 119
Db 115 SFYLLAMNKKGLYAKKECNECNFKELILENHNTYASAKWTHNGGEMFVALNQKGPV 174
QY 120 RGQKTRKNTSAHFLPMV 138
Db 175 RGKTKKQKTAHFLPM 193
RESULT 3
I48610
keratinocyte growth factor Fgf-7 - mouse
C;Species: Mus musculus (house mouse)
C;Date: 02-Jul-1996 #sequence_revision 02-Jul-1996 #text_change 16-Jul-1999
C;Accession: I48610; S33227
R;Mason, I.J.; Fuller-Pace, F.; Smith, R.; Dickson, C.
Mech. Dev. 45, 15-30, 1994
A;Title: FGF-7 (keratinocyte growth factor) expression during mouse development suggeste
A;Reference number: I48610; MUID:94242659; PMID:8186145
A;Accession: I48610
A;Status: Preliminary; translated from GB/EMBL/DBJ
A;Molecule type: mRNA
A;Residues: 1-194 <RES>
A;Cross-references: EMBL:222703; NID:G297755; PIDN:CAA80403.1; PID:G297756
C;Superfamily: fibroblast growth factor
Query Match 55.0%; Score 411.5; DB 2; Length 194;
Best Local Similarity 53.2%; Pred. No. 2.9e-32;
Matches 74; Conservative 31; Mismatches 33; Indels 1; Gaps 1;
QY 1 SYNHLQ-GDVWRKLPSTFKYFLKIEKNGKVGSGTKKNCPCYSILEITTSVEIGVVAVKAIN 59
Db 55 SYDYMEGGDIRVRLFCRTQWYLIDKRGKVGTOEMKNYNIMEIRTVAVGIVAIGVE 114

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A:Gene: Fgf-3
A:Introns: 93/2; 127/3
A:Title: Developmental expression of the Xenopus int-2 (FGF-3) gene: activation by mes
C:Superfamily: fibroblast growth factor
C:Keywords: embryo; fibroblast; growth factor

Query Match 49.3%; Score 369; DB 2; Length 256;
Best Local Similarity 48.7%; Pred. No. 4.9e-28;
Matches 77; Conservative 23; Mismatches 34; Indels 24; Gaps 2;

Qy 2 YNHLQGVWRKLFSPSTKFKLTKKNGKVGSKKNCPCYSILEITSVGIVAVKAINSN 61
Db 54 YEHLLGAPRRKLYCATKYHLQHPNGKIDGSLSENNPLSILEITAVDVGIVAKGLFSG 113
Qy 62 YLLAMNKKGLYSGKEFNNDCKLKERIEENGYNVTAS--FNWQHG----- 105
Db 114 RYLANMKRGLYASEVFNRECEFLERHELGYNTYAS---RHHAITQPPPTGGIGGSKR 170
Qy 106 -----RQMYVALNGKAPRGQKTRKNTSAHFLPMV 138
Db 171 RASSKRWYVVSINGKRPGRGKTRTDKASLFLPRVL 208

RESULT 6
150588
fibroblast growth factor 3 - chicken
C:Species: Gallus gallus (chicken)
C:Date: 13-Sep-1996 #sequence_revision 13-Sep-1996 #text_change 17-Mar-2000
C:Accession: I50588
R:Mahmood, R.; Kiefer, P.; Guthrie, S.; Dickson, C.; Mason, I.
Development 121, 1399-1410, 1995
A:Title: Multiple roles for FGF-3 during cranial neural development in the chicken.
A:Reference number: I50588; MUID:95309122; PMID:7789270
A:Accession: I50588
A:Status: preliminary; translated from GB/EMBL/DDBJ
A:Molecule type: mRNA
A:Residues: 1-220 <MAH>
A:Cross-references: EMBL:Z47555; NID:G623215; PIDN:CAA87635.1; PID:G623216
C:Superfamily: fibroblast growth factor

Query Match 48.5%; Score 363; DB 2; Length 220;
Best Local Similarity 49.7%; Pred. No. 1.6e-27;
Matches 75; Conservative 25; Mismatches 39; Indels 12; Gaps 2;

Qy 2 YNHLQGVWRKLFSPSTKFKLTKKNGKVGSKKNCPCYSILEITSVGIVAVKAINSN 61
Db 37 YEHLLGAPRRKLYCATKYHLQHPNGKIDGSLSENNPLSILEITAVDVGIVAKGLFSG 96
Qy 62 YLLAMNKKGLYSGKEFNNDCKLKERIEENGYNVTAS--FNWQHG-----RQMY 109
Db 97 RYLANMKRGLYASEVFNRECEFLERHELGYNTYASRLYRTVPSCGASTKXKASAERLMY 156
Qy 110 VALNGKAPRGQKTRKNTSAHFLPMVTHS 140
Db 157 VSVNGKRPGRGKTRRTQKSSLFPLRVLDS 187

RESULT 7
339582
transforming protein int-2 - African clawed frog
N:Alternate names: FGF-3 protein; fibroblast growth factor 3
C:Species: Xenopus laevis (African clawed frog)
C:Date: 10-Sep-1999 #sequence_revision 10-Sep-1999 #text_change 10-Sep-1999
C:Accession: S39582; S25713
R:Kiefer, P.; Mathieu, M.; Close, M.J.; Peters, G.; Dickson, C.
EMBO J. 12, 4159-4168, 1993
A:Title: FGF3 from Xenopus laevis.
A:Reference number: S39582; MUID:94038898; PMID:8223431
A:Accession: S39582
A:Status: preliminary
A:Molecule type: mRNA
A:Residues: 1-237 <KIE>
A:Cross-references: EMBL:Z25539; NID:G396830; PIDN:CAA80987.1; PID:G396831
R:Tannahill, D.; Isaacs, H.V.; Close, M.J.; Peters, G.; Slack, J.M.W.

Development 115, 695-702, 1992
A:Title: Developmental expression of the Xenopus int-2 (FGF-3) gene: activation by mes
A:Reference number: S25713; MUID:93048831; PMID:1425349
A:Accession: S25713
A:Status: preliminary
A:Molecule type: mRNA
A:Residues: 39-137 <TAN>
A:Cross-references: EMBL:X65237; NID:G64855; PIDN:CAA46341.1; PID:G64856
C:Superfamily: fibroblast growth factor

Query Match 47.9%; Score 358; DB 1; Length 237;
Best Local Similarity 49.7%; Pred. No. 5.2e-27;
Matches 74; Conservative 26; Mismatches 37; Indels 12; Gaps 2;

Qy 2 YNHLQGVWRKLFSPSTKFKLTKKNGKVGSKKNCPCYSILEITSVGIVAVKAINSN 61
Db 54 YEHLLGAPRRKLYCATKYHLQHPNGKIDGSLSENNPLSILEITAVDVGIVAKGLFSG 113
Qy 62 YLLAMNKKGLYSGKEFNNDCKLKERIEENGYNVTAS--FNWQHG-----RQMY 109
Db 114 RYLANMKRGLYASEVFNRECEFLERHELGYNTYASRLYRTVPSCGASTKXKASAERLMY 173
Qy 110 VALNGKAPRGQKTRKNTSAHFLPMV 138
Db 174 VSVNGKRPGRGKTRRTQKSSLFPLRVL 202

RESULT 8
TVMST2
transforming protein (int-2) - mouse
C:Species: Mus musculus (house mouse)
C:Date: 31-Dec-1989 #sequence_revision 31-Dec-1989 #text_change 18-Jun-1999
C:Accession: A23930; S08157
R:Moore, R.; Casey, G.; Brookes, S.; Dixon, M.; Peters, G.; Dickson, C.
EMBO J. 5, 919-924, 1986
A:Title: Sequence, topography and protein coding potential of mouse int-2: a putative
A:Reference number: A23930; MUID:86247582; PMID:3013624
A:Accession: A23930
A:Molecule type: DNA; mRNA
A:Residues: 1-245 <MOO>
A:Cross-references: GB:Y00848; GB:M26284; GB:X68450; NID:G52716; PIDN:CAA69767.1; PID:
R:Acland, P.; Dixon, M.; Peters, G.; Dickson, C.
Nature 343, 662-665, 1990
A:Title: Subcellular fate of the int-2 oncoprotein is determined by choice of initiati
A:Reference number: S08157; MUID:90158795; PMID:2406607
A:Accession: S08157
A:Status: not compared with conceptual translation
A:Molecule type: mRNA
A:Residues: 'HSRAGLARGVLPAPLRURETRAGAAAAAGGRDAGM', 3-17 <ACL>
C:Genetics:
A:Gene: int-2
A:Map position: 7
A:Introns: 74/1; 108/3
C:Superfamily: fibroblast growth factor
C:Keywords: growth factor; transforming protein

Query Match 47.1%; Score 352.5; DB 1; Length 245;
Best Local Similarity 51.0%; Pred. No. 1.8e-26;
Matches 76; Conservative 22; Mismatches 38; Indels 13; Gaps 3;

Qy 2 YNHLQGVWRKLFSPSTKFKLTKKNGKVGSKKNCPCYSILEITSVGIVAVKAINSN 61
Db 36 YEHLLGAPRRKLYCATKYHLQHPNGKIDGSLSENNPLSILEITAVDVGIVAKGLFSG 94
Qy 62 YLLAMNKKGLYSGKEFNNDCKLKERIEENGYNVTAS--FNWQHG-----RQMY 109
Db 95 RYLANMKRGLYASEVFNRECEFLERHELGYNTYASRLYRTVGSSGPGAQRPQY 154
Qy 110 VALNGKAPRGQKTRKNTSAHFLPMV 138
Db 155 VSVNGKRPGRGKTRRTQKSSLFPLRVL 183
```



```
RESULT 9
S04742
fibroblast growth factor 3 precursor - human
N:Alternate names: transforming protein int-2
C:Species: Homo sapiens (man)
C>Date: 10-Sep-1999 #sequence_revision 10-Sep-1999 #text_change 29-Sep-1999
C:Accession: S04742
R:Brookes, S.; Smith, R.; Casey, G.; Dickson, C.; Peters, G.
Oncogene 4, 429-436, 1989
A:Title: Sequence organization of the human int-2 gene and its expression in teratocarcinoma
A:Reference number: S04742; MUID:89239468; PMID:2470007
A:Molecule type: DNA
A:Accession: S04742
A:Residues: 1-239 <BRO>
A:Cross-references: EMBL:X14445; NID:G33937; PIDN:CAA32615.1; PID:G312409
C:Genetics:
A:Gene: GDB:FGF3; INT2
A:Cross-references: GDB:120103; OMIM:164950
A:Map position: 11q13.3-11q13.3
A:Introns: 74/1, 108/3
C:Superfamily: fibroblast growth factor
C:Keywords: growth factor
F:1-17/Domain: signal sequence #status predicted <SIG>
F:18-239/Product: transforming protein (int-2) #status predicted <MAT>
Query Match 45.7%; Score 341.5; DB 1; Length 239;
Best Local Similarity 48.3%; Pred. No. 2e-25;
Matches 72; Conservative 26; Mismatches 38; Indels 13; Gaps 2;
QY 2 YNHLOQDVWRKLFSTFKYFLKIKNGKVSCTKKENCPYSILEITSVETGVAVKAINSN 61
DB 36 YEHLOGAPRRKLYCATKYHLQHPGSRVNGS-LENGAYSILEITAVEGIVAIRGLFSG 94
QY 62 YLANMKKGLKYSKEFNNDCKLKERIEENGNTYASFNWQ-----HNGRQMY 109
DB 95 RYLANMKGRGLYASHEYSACEFVERIEHGLYNTYASRLYTVSSTFGARRQPSAERLWY 154
QY 110 VALNGKGPARGQKTRKNTSAHFLPMV 138
DB 155 VSVNGKGRPRGFKTRRTQKSLFLPRVL 183
RESULT 10
S66486
fibroblast growth factor 9 - mouse
C:Species: Mus musculus (house mouse)
C>Date: 28-Oct-1996 #sequence_revision 13-Mar-1997 #text_change 20-Jun-2000
C:Accession: S66486
R:Seo, M.; Noguchi, K.
FEBS Lett. 370, 231-235, 1995
A:Title: Retinoic acid induces gene expression of fibroblast growth factor-9 during induction of myoblast differentiation
A:Reference number: S66486; MUID:95385801; PMID:7656983
A:Accession: S66486
A:Status: preliminary
A:Molecule type: mRNA
A:Residues: 1-208 <SEO>
A:Cross-references: EMBL:D38258; NID:g1107458; PIDN:BAA07410.1; PID:g1107459
C:Superfamily: fibroblast growth factor
Query Match 43.3%; Score 324; DB 2; Length 208;
Best Local Similarity 43.5%; Pred. No. 8.3e-24;
Matches 60; Conservative 33; Mismatches 43; Indels 2; Gaps 1;
QY 3 NHHLOQDVWRKLFSTFKYFLKIKNGKVSCTKKENCPYSILEITSVETGVAVKAINSN 62
DB 55 DHLKGLIRRLQRYCRTGFHLEIFPNGTIQGTRKDSRFGILEFISIAVGLVSRGVDSSL 114
QY 63 YLANMKKGLKYSKEFNNDCKLKERIEENGNTYASFNWQ--NGRQMYVALNGKAPRR 120
DB 115 YLGNMKGELYGSEKLTQECVFRQFEENWNTYSSNLKYKHDVTGRRYYVALNKGDPRE 174
QY 121 GQTRRRKNTSAHFLPMV 138
DB 155 VSVNGKGRPRGFKTRRTQKSLFLPRVL 183
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DB 175 GTRTKRHQKFTFLPRPV 192
RESULT 11
A48137
fibroblast growth factor 9 - human
N:Alternate names: gliia-activating factor
C:Species: Homo sapiens (man)
C>Date: 21-Jan-1994 #sequence_revision 18-Nov-1994 #text_change 21-Jul-2000
C:Accession: A48137
R: Miyamoto, M.; Naruo, K.; Seko, C.; Matsumoto, S.; Kondo, T.; Kurokawa, T.
Mol. Cell. Biol. 13, 4251-4259, 1993
A:Title: Molecular cloning of a novel cytokine cDNA encoding the ninth member of the fi
A:Reference number: A48137; MUID:93309459; PMID:8321227
A:Accession: A48137
A:Status: preliminary
A:Molecule type: nucleic acid
A:Residues: 1-208 <MIY>
A:Cross-references: GDB:D14838; NID:G391718; PIDN:BAA03572.1; PID:G391719
A:Experimental source: foreskin
A:Note: sequence extracted from NCBI backbone (NCBI:134640, NCBIP:134641)
C:Genetics:
A:Gene: GDB:FGF9
A:Cross-references: GDB:207221; OMIM:600921
A:Map position: 13q11-13q12
C:Superfamily: fibroblast growth factor
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Best Local Similarity 43.5%; Pred. No. 8.3e-24;
Matches 60; Conservative 33; Mismatches 43; Indels 2; Gaps 1;
QY 3 NHHLOQDVWRKLFSTFKYFLKIKNGKVSCTKKENCPYSILEITSVETGVAVKAINSN 62
DB 55 DHLKGLIRRLQRYCRTGFHLEIFPNGTIQGTRKDSRFGILEFISIAVGLVSRGVDSSL 114
QY 63 YLANMKKGLKYSKEFNNDCKLKERIEENGNTYASFNWQ--NGRQMYVALNGKAPRR 120
DB 115 YLGNMKGELYGSEKLTQECVFRQFEENWNTYSSNLKYKHDVTGRRYYVALNKGDPRE 174
QY 121 GQTRRRKNTSAHFLPMV 138
DB 175 GTRTKRHQKFTFLPRPV 192
RESULT 12
JC5941
fibroblast growth factor 16 - human
C:Species: Homo sapiens (man)
C>Date: 16-Jul-1999 #sequence_revision 16-Jul-1999 #text_change 21-Jul-2000
C:Accession: JC5941
R: Miyake, A.; Konishi, M.; Martin, F.H.; Hernday, N.A.; Ozaki, K.; Yamamoto, S.; Mikami,
Biochem. Biophys. Res. Commun. 243, 148-152, 1998
A:Title: Structure and expression of a novel member, FGF-16, of the fibroblast growth f
A:Reference number: JC5940; MUID:98139883; PMID:9473496
A:Accession: JC5941
A:Status: preliminary
A:Molecule type: DNA
A:Residues: 1-207 <MIY>
A:Cross-references: DDBJ:AB009391; NID:g2911169; PIDN:BAA24956.1; PID:g2911170
C:Superfamily: fibroblast growth factor
Query Match 42.6%; Score 319; DB 2; Length 207;
Best Local Similarity 43.2%; Pred. No. 2.5e-23;
Matches 60; Conservative 33; Mismatches 44; Indels 2; Gaps 1;
QY 2 YNHLOQDVWRKLFSTFKYFLKIKNGKVSCTKKENCPYSILEITSVETGVAVKAINSN 61
DB 53 FAHLKGLIRRLQRYCRTGFHLEIFPNGTIVHTRHDSRFGILEFISIAVGLVSRGVDSS 112
QY 62 YLANMKKGLKYSKEFNNDCKLKERIEENGNTYASFNWQNG--RQMYVALNGKAPRR 119
DB 113 LYLGNMKGELYGSKLTRECVFRQFEENWNTYASTLYKHSDSERQYYVALNKGSPR 172
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Qy 120 RGQTRKNTSAHFLPMV 138
Db 173 EGYRTKHKQKFTFLPRPV 191

RESULT 13

JC5940
fibroblast growth factor 16 - rat
C:Species: Rattus norvegicus (Norway rat)
C:Date: 16-Jul-1999 #sequence_revision 16-Jul-1999 #text_change 21-Jul-2000
C:Accession: JC5940
R: Miyake, A.; Konishi, M.; Martin, P.H.; Hernday, N.A.; Ozaki, K.; Yamamoto, S.; Mikami,
Biochem. Biophys. Res. Commun. 245, 148-152, 1998
A:Title: Structure and expression of a novel member, FGF-16, of the fibroblast growth fa
C:Reference number: JC5940; MUID:98139883; PMID:9473496
A:Accession: JC5940
A:Status: preliminary
A:Molecule type: DNA
A:Residues: 1-207 <MIY>
A:Cross-references: DDBJ:AB002561; NID:92911149; PIDN:BAA24947.1; PID:G2911150
C:Superfamily: fibroblast growth factor

Query Match 42.1%; Score 315; DB 2; Length 207;
Best Local Similarity 42.4%; Pred. No. 6.1e-23;
Matches 59; Conservative 34; Mismatches 44; Indels 2; Gaps 1;

Qy 2 YNHLQGVWRKLFPSFTKYFLKIEKNGKVGSGTKKNCPSYLEITSVEIGVAVKAINSN 61

Db 53 FAHLKGILRRQLYCRGTGFHLEFPNGTVHGRHDSRFGLEIFSLAVGLSIRGVDSG 112

Qy 62 YLLAMNKGKLYGSKFENNDCKLKERIEENGYNVTYASFNQHG--RQMYVALNGKGAPR 119

Db 113 LYLGNRGERLFGSKLTRECVRFQFEENWNTYASTLYKHSDSRQYVALNKGDSR 172

Qy 120 RGQTRKNTSAHFLPMV 138

Db 173 EGYRTKHKQKFTFLPRPV 191

RESULT 14

JC7082
fibroblast somatotropin-20 - African clawed frog
N:Alternate names: fibroblast growth factor-20
C:Species: Xenopus laevis (African clawed frog)
C:Date: 03-Dec-1999 #sequence_revision 03-Dec-1999 #text_change 21-Jul-2000
C:Accession: JC7082
R: Koga, C.; Adati, N.; Nakata, K.; Mikoshiba, K.; Furuhashi, Y.; Sato, S.; Tei, H.; Sakak
Biochem. Biophys. Res. Commun. 261, 756-765, 1999
A:Title: Characterization of a novel member of the FGF family, XFGF-20, in Xenopus laevi
A:Reference number: JC7082; MUID:99373151; PMID:10441498
A:Accession: JC7082
A:Molecule type: mRNA
A:Residues: 1-208 <KOG>
A:Cross-references: DDBJ:AB012615; NID:95762261; PIDN:BAA83474.1; PID:G5762262
C:Superfamily: fibroblast growth factor
C:Keywords: differentiation; fibroblast; growth factor; heparin binding

Query Match 40.6%; Score 304; DB 2; Length 208;
Best Local Similarity 42.0%; Pred. No. 7e-22;
Matches 58; Conservative 35; Mismatches 43; Indels 2; Gaps 1;

Qy 3 NHLQGVWRKLFPSFTKYFLKIEKNGKVGSGTKKNCPSYLEITSVEIGVAVKAINSNY 62

Db 55 SHLQGLRRQLYCRGTGFHLEFPNGTVHGRHDSRFGLEIFSLAVGLSIRGVDTGL 114

Qy 63 YLLAMNKGKLYGSKFENNDCKLKERIEENGYNVTYASFNQH--NGROMYVALNGKGAPR 120

Db 115 YLGMNDKGLFSGSKLTSECFRQFEENWNTYSSNLKXGDSGRYFVALNKDGTDRD 174

Qy 121 GQKTRKNTSAHFLPMV 138

Db 175 GTRAKRHQKFTFLPRPV 192

RESULT 15

JC7353
fibroblast growth factor-20 - human
C:Species: Homo sapiens (man)
C:Date: 08-Sep-2000 #sequence_revision 08-Sep-2000 #text_change 01-Dec-2000
C:Accession: JC7353
R: Kirikoshi, H.; Segara, N.; Satoh, T.; Tanaka, K.; Sekihara, H.; Shiohara, K.; Kato
Biochem. Biophys. Res. Commun. 274, 337-343, 2000
A:Title: Molecular cloning and characterization of human FGF-20 on chromosome 8p21.3-p
A:Reference number: JC7353
A:Accession: JC7353
A:Molecule type: mRNA
A:Residues: 1-211 <KIR>
A:Cross-references: DDBJ:AB044277
C:Comment: This factor is involved in physiological and pathological processes, playin
C:Genetics:
A:Gene: fgf-20
A:Map position: 8p21.3-8p22
C:Superfamily: fibroblast growth factor
C:Keywords: angiogenesis; carcinogenesis

Query Match 40.5%; Score 303; DB 2; Length 211;
Best Local Similarity 42.3%; Pred. No. 8.9e-22;
Matches 58; Conservative 33; Mismatches 44; Indels 2; Gaps 1;

Qy 4 HLOGDVWRKLFPSFTKYFLKIEKNGKVGSGTKKNCPSYLEITSVEIGVAVKAINSNY 63

Db 59 HLHGILRRQLYCRGTGFHLEFPNGTVHGRHDSRFGLEIFSLAVGLSIRGVDSGLY 118

Qy 64 LAMNKGKLYGSKFENNDCKLKERIEENGYNVTYASFNQH--NGROMYVALNGKGAPR 121

Db 119 LGMNDKGLYSGSKLTSECFRQFEENWNTYSSNIYKHGDTGRYFVALNKDGTDRD 178

Qy 122 QKTRKNTSAHFLPMV 138

Db 179 ARSKRHQKFTFLPRPV 195

Search completed: March 26, 2004, 04:50:09

Job time : 75 secs

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: March 26, 2004, 04:44:47 ; Search time 18 Seconds

(without alignments)
132.396 Million cell updates/sec

Title: US-10-035-212-2_COPY_69_208

Perfect score: 748
Sequence: 1 SYNHLQGVWRKLFSTFKY.....GQTRKNTSAFLPMVHVS 140

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 148731 seqs, 17022389 residues

Total number of hits satisfying chosen parameters: 148731

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Pending Patents AA New.*

- 1: /cgn2_6/ptodata/1/paa/US06 NEW COMB.pap.*
- 2: /cgn2_6/ptodata/1/paa/US06 NEW COMB.pap.*
- 3: /cgn2_6/ptodata/1/paa/US07 NEW COMB.pap.*
- 4: /cgn2_6/ptodata/1/paa/US08 NEW COMB.pap.*
- 5: /cgn2_6/ptodata/1/paa/US09 NEW COMB.pap.*
- 6: /cgn2_6/ptodata/1/paa/US10 NEW COMB.pap.*
- 7: /cgn2_6/ptodata/1/paa/US10 NEW COMB.pap.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	748	100.0	208	6	US-10-775-204-468
2	748	100.0	208	6	US-10-775-204-469
3	748	100.0	208	6	US-10-775-204-497
4	748	100.0	208	6	US-10-775-204-498
5	748	100.0	208	6	US-10-775-204-645
6	748	100.0	208	6	US-10-775-204-646
7	748	100.0	208	6	US-10-775-204-1684
8	748	100.0	208	6	US-10-775-204-1685
9	748	100.0	208	6	US-10-775-204-1688
10	748	100.0	208	6	US-10-775-204-1692
11	748	100.0	208	6	US-10-775-204-1693
12	748	100.0	208	6	US-10-775-204-1694
13	748	100.0	208	6	US-10-775-204-1698
14	748	100.0	749	6	US-10-775-204-1516
15	748	100.0	749	6	US-10-775-204-1517
16	748	100.0	749	6	US-10-775-204-1524
17	748	100.0	749	6	US-10-775-204-1525
18	748	100.0	749	6	US-10-775-204-1526
19	748	100.0	755	6	US-10-775-204-1520
20	748	100.0	755	6	US-10-775-204-252
21	748	100.0	755	6	US-10-775-204-281
22	748	100.0	755	6	US-10-775-204-283
23	748	100.0	755	6	US-10-775-204-282
24	748	100.0	755	6	US-10-775-204-1530
25	607.5	81.2	722	6	US-10-775-204-430
26	600	80.2	722	6	US-10-775-204-429

Sequence 20, Appl
Sequence 24, Appl
Sequence 14, Appl
Sequence 8, Appl
Sequence 2, Appl
Sequence 4, Appl
Sequence 22, Appl
Sequence 36, Appl
Sequence 6, Appl
Sequence 10, Appl
Sequence 12, Appl
Sequence 16, Appl
Sequence 18, Appl
Sequence 4, Appl
Sequence 140, App
Sequence 140, App
Sequence 280, App
Sequence 2, Appl

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US-10-152-372-284
US-10-787-879-2

ALIGNMENTS

RESULT 1
US-10-775-204-468
Sequence 468, Application US/10775204
GENERAL INFORMATION:
APPLICANT: Rosen, Craig A.
APPLICANT: Haseltine, William A.
APPLICANT: Turner, David J.
TITLE OF INVENTION: Albumin Fusion Proteins
FILE REFERENCE: PF564
CURRENT APPLICATION NUMBER: US/10/775,204
CURRENT FILING DATE: 2004-02-11
PRIOR APPLICATION NUMBER: 60/341,811
PRIOR FILING DATE: 2001-12-21
PRIOR APPLICATION NUMBER: 60/360,000
PRIOR FILING DATE: 2002-02-28
PRIOR APPLICATION NUMBER: 60/378,950
PRIOR FILING DATE: 2002-05-10
PRIOR APPLICATION NUMBER: 60/398,008
PRIOR FILING DATE: 2002-07-24
PRIOR APPLICATION NUMBER: 60/411,355
PRIOR FILING DATE: 2002-09-18
PRIOR APPLICATION NUMBER: 60/414,984
PRIOR FILING DATE: 2002-10-02
PRIOR APPLICATION NUMBER: 60/417,611
PRIOR FILING DATE: 2002-10-11
PRIOR APPLICATION NUMBER: 60/420,246
PRIOR FILING DATE: 2002-10-23
PRIOR APPLICATION NUMBER: 60/423,623
PRIOR FILING DATE: 2002-11-05
PRIOR APPLICATION NUMBER: 60/351,360
PRIOR FILING DATE: 2002-01-28
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 2222
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 468
LENGTH: 208
TYPE: PRT
ORGANISM: Homo sapiens
US-10-775-204-468

Query Match 100.0%; Score 748; DB 6; Length 208;
Best Local Similarity 100.0%; Pred. No. 5.2e-71;
Matches 140; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 SYNHLQGVWRKLFSTFKYFLKIKNGKVSQTKKENCPSILEITTSVEIGVVAVKAINS 60
DB 69 SYNHLQGVWRKLFSTFKYFLKIKNGKVSQTKKENCPSILEITTSVEIGVVAVKAINS 128

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QY 61 NYILAMNKKGLYSGKEFNNDCKLERIEENGNTYASFNWQHNGROMYVALNGKGAPRR 120
Db 129 NYILAMNKKGLYSGKEFNNDCKLERIEENGNTYASFNWQHNGROMYVALNGKGAPRR 188

QY 121 GOKTRKNTSAHFLPMVHVS 140
Db 189 GOKTRKNTSAHFLPMVHVS 208

RESULT 2
US-10-775-204-469
; Sequence 469, Application US/10775204
; GENERAL INFORMATION:
; APPLICANT: Rosen, Craig A.
; APPLICANT: Haseltine, William A.
; APPLICANT: Balance, David J.
; APPLICANT: Turner, Andrew J.
; TITLE OF INVENTION: Albumin Fusion Proteins
; FILE REFERENCE: PF564
; CURRENT APPLICATION NUMBER: US/10/775,204
; CURRENT FILING DATE: 2004-02-11
; PRIOR APPLICATION NUMBER: 60/341,811
; PRIOR FILING DATE: 2001-12-21
; PRIOR APPLICATION NUMBER: 60/360,000
; PRIOR FILING DATE: 2002-02-28
; PRIOR APPLICATION NUMBER: 60/378,950
; PRIOR FILING DATE: 2002-05-10
; PRIOR APPLICATION NUMBER: 60/398,008
; PRIOR FILING DATE: 2002-07-24
; PRIOR APPLICATION NUMBER: 60/411,355
; PRIOR FILING DATE: 2002-09-18
; PRIOR APPLICATION NUMBER: 60/414,984
; PRIOR FILING DATE: 2002-10-02
; PRIOR APPLICATION NUMBER: 60/417,611
; PRIOR FILING DATE: 2002-10-11
; PRIOR APPLICATION NUMBER: 60/420,246
; PRIOR FILING DATE: 2002-10-23
; PRIOR APPLICATION NUMBER: 60/423,623
; PRIOR FILING DATE: 2002-11-05
; PRIOR APPLICATION NUMBER: 60/351,360
; PRIOR FILING DATE: 2002-01-28
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 2222
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 469
; LENGTH: 208
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-775-204-469

Query Match 100.0%; Score 748; DB 6; Length 208;
Best Local Similarity 100.0%; Pred. No. 5.2e-71;
Matches 140; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 SYNHLQGDVRWRKLFSTFKYFLKIEKNGKVGSTGKKEPCYSILITTSVEIGWAVKAINS 60
Db 69 SYNHLQGDVRWRKLFSTFKYFLKIEKNGKVGSTGKKEPCYSILITTSVEIGWAVKAINS 128

QY 61 NYILAMNKKGLYSGKEFNNDCKLERIEENGNTYASFNWQHNGROMYVALNGKGAPRR 120
Db 129 NYILAMNKKGLYSGKEFNNDCKLERIEENGNTYASFNWQHNGROMYVALNGKGAPRR 188

QY 121 GOKTRKNTSAHFLPMVHVS 140
Db 189 GOKTRKNTSAHFLPMVHVS 208

RESULT 3
US-10-775-204-497
; Sequence 497, Application US/10775204
; GENERAL INFORMATION:
; APPLICANT: Rosen, Craig A.
; APPLICANT: Haseltine, William A.
; APPLICANT: Balance, David J.
; APPLICANT: Turner, Andrew J.
; TITLE OF INVENTION: Albumin Fusion Proteins
; FILE REFERENCE: PF564
; CURRENT APPLICATION NUMBER: US/10/775,204
; CURRENT FILING DATE: 2004-02-11
; PRIOR APPLICATION NUMBER: 60/341,811
; PRIOR FILING DATE: 2001-12-21
; PRIOR APPLICATION NUMBER: 60/360,000
; PRIOR FILING DATE: 2002-02-28
; PRIOR APPLICATION NUMBER: 60/378,950
; PRIOR FILING DATE: 2002-05-10
; PRIOR APPLICATION NUMBER: 60/398,008
; PRIOR FILING DATE: 2002-07-24
; PRIOR APPLICATION NUMBER: 60/411,355
; PRIOR FILING DATE: 2002-09-18
; PRIOR APPLICATION NUMBER: 60/414,984
; PRIOR FILING DATE: 2002-10-02
; PRIOR APPLICATION NUMBER: 60/417,611
; PRIOR FILING DATE: 2002-10-11
; PRIOR APPLICATION NUMBER: 60/420,246
; PRIOR FILING DATE: 2002-10-23
; PRIOR APPLICATION NUMBER: 60/423,623
; PRIOR FILING DATE: 2002-11-05
; PRIOR APPLICATION NUMBER: 60/351,360
; PRIOR FILING DATE: 2002-01-28
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 2222
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 469
; LENGTH: 208
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-775-204-469

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Best Local Similarity 100.0%; Pred. No. 5.2e-71;
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QY 1 SYNHLQGDVRWRKLFSTFKYFLKIEKNGKVGSTGKKEPCYSILITTSVEIGWAVKAINS 60
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QY 61 NYILAMNKKGLYSGKEFNNDCKLERIEENGNTYASFNWQHNGROMYVALNGKGAPRR 120
Db 129 NYILAMNKKGLYSGKEFNNDCKLERIEENGNTYASFNWQHNGROMYVALNGKGAPRR 188

QY 121 GOKTRKNTSAHFLPMVHVS 140
Db 189 GOKTRKNTSAHFLPMVHVS 208

RESULT 4
US-10-775-204-498
; Sequence 498, Application US/10775204
; GENERAL INFORMATION:
; APPLICANT: Rosen, Craig A.
; APPLICANT: Haseltine, William A.
; APPLICANT: Balance, David J.
; APPLICANT: Turner, Andrew J.
; TITLE OF INVENTION: Albumin Fusion Proteins
; FILE REFERENCE: PF564
; CURRENT APPLICATION NUMBER: US/10/775,204
; CURRENT FILING DATE: 2004-02-11
; PRIOR APPLICATION NUMBER: 60/341,811
; PRIOR FILING DATE: 2001-12-21
; PRIOR APPLICATION NUMBER: 60/360,000
; PRIOR FILING DATE: 2002-02-28
; PRIOR APPLICATION NUMBER: 60/378,950
; PRIOR FILING DATE: 2002-05-10
; PRIOR APPLICATION NUMBER: 60/398,008
; PRIOR FILING DATE: 2002-07-24
; PRIOR APPLICATION NUMBER: 60/411,355
; PRIOR FILING DATE: 2002-09-18
; PRIOR APPLICATION NUMBER: 60/414,984
; PRIOR FILING DATE: 2002-10-02
; PRIOR APPLICATION NUMBER: 60/417,611
; PRIOR FILING DATE: 2002-10-11
; PRIOR APPLICATION NUMBER: 60/420,246
; PRIOR FILING DATE: 2002-10-23
; PRIOR APPLICATION NUMBER: 60/423,623
; PRIOR FILING DATE: 2002-11-05
; PRIOR APPLICATION NUMBER: 60/351,360
; PRIOR FILING DATE: 2002-01-28
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 2222
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 497
; LENGTH: 208
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-775-204-497

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Best Local Similarity 100.0%; Pred. No. 5.2e-71;
Matches 140; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 SYNHLQGDVRWRKLFSTFKYFLKIEKNGKVGSTGKKEPCYSILITTSVEIGWAVKAINS 60
Db 69 SYNHLQGDVRWRKLFSTFKYFLKIEKNGKVGSTGKKEPCYSILITTSVEIGWAVKAINS 128

QY 61 NYILAMNKKGLYSGKEFNNDCKLERIEENGNTYASFNWQHNGROMYVALNGKGAPRR 120
Db 129 NYILAMNKKGLYSGKEFNNDCKLERIEENGNTYASFNWQHNGROMYVALNGKGAPRR 188

QY 121 GOKTRKNTSAHFLPMVHVS 140
Db 189 GOKTRKNTSAHFLPMVHVS 208
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; PRIOR FILING DATE: 2002-09-18
; PRIOR APPLICATION NUMBER: 60/414,984
; PRIOR FILING DATE: 2002-10-02
; PRIOR APPLICATION NUMBER: 60/417,611
; PRIOR FILING DATE: 2002-10-11
; PRIOR APPLICATION NUMBER: 60/420,246
; PRIOR FILING DATE: 2002-10-23
; PRIOR APPLICATION NUMBER: 60/423,623
; PRIOR FILING DATE: 2002-11-05
; PRIOR APPLICATION NUMBER: 60/351,360
; PRIOR FILING DATE: 2002-01-28
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 2222
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 498
; LENGTH: 208
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-775-204-498

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Best Local Similarity 100.0%; Pred. No. 5.2e-71;
Matches 140; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 189 GQTRRKNTSAHFLPMVHS 208

RESULT 5
US-10-775-204-645
; Sequence 645, Application US/10775204
; GENERAL INFORMATION:
; APPLICANT: Rosen, Craig A.
; APPLICANT: Haseltine, William A.
; APPLICANT: Balance, David J.
; APPLICANT: Turner, Andrew J.
; TITLE OF INVENTION: Albumin Fusion Proteins
; FILE REFERENCE: PF564
; CURRENT APPLICATION NUMBER: US/10/775,204
; CURRENT FILING DATE: 2004-02-11
; PRIOR APPLICATION NUMBER: 60/341,811
; PRIOR FILING DATE: 2001-12-21
; PRIOR APPLICATION NUMBER: 60/360,000
; PRIOR FILING DATE: 2002-02-28
; PRIOR APPLICATION NUMBER: 60/378,950
; PRIOR FILING DATE: 2002-05-10
; PRIOR APPLICATION NUMBER: 60/398,008
; PRIOR FILING DATE: 2002-07-24
; PRIOR APPLICATION NUMBER: 60/411,355
; PRIOR FILING DATE: 2002-09-18
; PRIOR APPLICATION NUMBER: 60/414,984
; PRIOR FILING DATE: 2002-10-02
; PRIOR APPLICATION NUMBER: 60/417,611
; PRIOR FILING DATE: 2002-10-11
; PRIOR APPLICATION NUMBER: 60/420,246
; PRIOR FILING DATE: 2002-10-23
; PRIOR APPLICATION NUMBER: 60/423,623
; PRIOR FILING DATE: 2002-11-05
; PRIOR APPLICATION NUMBER: 60/351,360
; PRIOR FILING DATE: 2002-01-28
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 2222
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 646
; LENGTH: 208
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-775-204-646

Query Match      100.0%; Score 748; DB 6; Length 208;
Best Local Similarity 100.0%; Pred. No. 5.2e-71;
Matches 140; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 SYNHLQDVVRWKLFSFTKYFLKIEKNGKVGSGTKKENCPSYILEITSVBIGVVAVKAINS 60
Db 69 SYNHLQDVVRWKLFSFTKYFLKIEKNGKVGSGTKKENCPSYILEITSVBIGVVAVKAINS 128
Qy 61 NYILAMNKKGLYGSKEFNNDCKLKERIEENGNTYASFNWQHNGROMYVALNGKAPRR 120
Db 129 NYILAMNKKGLYGSKEFNNDCKLKERIEENGNTYASFNWQHNGROMYVALNGKAPRR 188
Qy 121 GQTRRKNTSAHFLPMVHS 140
Db 189 GQTRRKNTSAHFLPMVHS 208
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; LENGTH: 208
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-775-204-645

Query Match      100.0%; Score 748; DB 6; Length 208;
Best Local Similarity 100.0%; Pred. No. 5.2e-71;
Matches 140; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 SYNHLQDVVRWKLFSFTKYFLKIEKNGKVGSGTKKENCPSYILEITSVBIGVVAVKAINS 60
Db 69 SYNHLQDVVRWKLFSFTKYFLKIEKNGKVGSGTKKENCPSYILEITSVBIGVVAVKAINS 128
Qy 61 NYILAMNKKGLYGSKEFNNDCKLKERIEENGNTYASFNWQHNGROMYVALNGKAPRR 120
Db 129 NYILAMNKKGLYGSKEFNNDCKLKERIEENGNTYASFNWQHNGROMYVALNGKAPRR 188
Qy 121 GQTRRKNTSAHFLPMVHS 140
Db 189 GQTRRKNTSAHFLPMVHS 208

RESULT 6
US-10-775-204-646
; Sequence 646, Application US/10775204
; GENERAL INFORMATION:
; APPLICANT: Rosen, Craig A.
; APPLICANT: Haseltine, William A.
; APPLICANT: Balance, David J.
; APPLICANT: Turner, Andrew J.
; TITLE OF INVENTION: Albumin Fusion Proteins
; FILE REFERENCE: PF564
; CURRENT APPLICATION NUMBER: US/10/775,204
; CURRENT FILING DATE: 2004-02-11
; PRIOR APPLICATION NUMBER: 60/341,811
; PRIOR FILING DATE: 2001-12-21
; PRIOR APPLICATION NUMBER: 60/360,000
; PRIOR FILING DATE: 2002-02-28
; PRIOR APPLICATION NUMBER: 60/378,950
; PRIOR FILING DATE: 2002-05-10
; PRIOR APPLICATION NUMBER: 60/398,008
; PRIOR FILING DATE: 2002-07-24
; PRIOR APPLICATION NUMBER: 60/411,355
; PRIOR FILING DATE: 2002-09-18
; PRIOR APPLICATION NUMBER: 60/414,984
; PRIOR FILING DATE: 2002-10-02
; PRIOR APPLICATION NUMBER: 60/417,611
; PRIOR FILING DATE: 2002-10-11
; PRIOR APPLICATION NUMBER: 60/420,246
; PRIOR FILING DATE: 2002-10-23
; PRIOR APPLICATION NUMBER: 60/423,623
; PRIOR FILING DATE: 2002-11-05
; PRIOR APPLICATION NUMBER: 60/351,360
; PRIOR FILING DATE: 2002-01-28
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 2222
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 646
; LENGTH: 208
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-775-204-646

Query Match      100.0%; Score 748; DB 6; Length 208;
Best Local Similarity 100.0%; Pred. No. 5.2e-71;
Matches 140; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 SYNHLQDVVRWKLFSFTKYFLKIEKNGKVGSGTKKENCPSYILEITSVBIGVVAVKAINS 60
Db 69 SYNHLQDVVRWKLFSFTKYFLKIEKNGKVGSGTKKENCPSYILEITSVBIGVVAVKAINS 128
Qy 61 NYILAMNKKGLYGSKEFNNDCKLKERIEENGNTYASFNWQHNGROMYVALNGKAPRR 120
Db 129 NYILAMNKKGLYGSKEFNNDCKLKERIEENGNTYASFNWQHNGROMYVALNGKAPRR 188
Qy 121 GQTRRKNTSAHFLPMVHS 140
Db 189 GQTRRKNTSAHFLPMVHS 208
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Db 129 NYLAMNKKGLYSGKEFNNDCKLERIEENGYNITYASFVWQHNGROMYVALNGKAPRR 188

QY 121 GQTRKNTSAHFLPMVHS 140

Db 189 GQTRKNTSAHFLPMVHS 208

RESULT 7

US-10-775-204-1684

Sequence 1684, Application US/10775204

GENERAL INFORMATION:

APPLICANT: Rosen, Craig A.

APPLICANT: Haseltine, William A.

APPLICANT: Balance, David J.

APPLICANT: Turner, Andrew J.

TITLE OF INVENTION: Albumin Fusion Proteins

FILE REFERENCE: PF564

CURRENT APPLICATION NUMBER: US/10/775,204

CURRENT FILING DATE: 2004-02-11

PRIOR APPLICATION NUMBER: 60/341,811

PRIOR FILING DATE: 2001-12-21

PRIOR APPLICATION NUMBER: 60/360,000

PRIOR FILING DATE: 2002-02-28

PRIOR APPLICATION NUMBER: 60/378,950

PRIOR FILING DATE: 2002-05-10

PRIOR APPLICATION NUMBER: 60/398,008

PRIOR FILING DATE: 2002-07-24

PRIOR APPLICATION NUMBER: 60/411,355

PRIOR FILING DATE: 2002-09-18

PRIOR APPLICATION NUMBER: 60/414,984

PRIOR FILING DATE: 2002-10-02

PRIOR APPLICATION NUMBER: 60/417,611

PRIOR FILING DATE: 2002-10-11

PRIOR APPLICATION NUMBER: 60/420,246

PRIOR FILING DATE: 2002-10-23

PRIOR APPLICATION NUMBER: 60/423,623

PRIOR FILING DATE: 2002-11-05

PRIOR APPLICATION NUMBER: 60/351,360

PRIOR FILING DATE: 2002-01-28

Remaining Prior Application data removed - See File Wrapper or PALM.

NUMBER OF SEQ ID NOS: 2222

SOFTWARE: Patentin Ver. 2.0

SEQ ID NO 1684

LENGTH: 208

TYPE: PRT

ORGANISM: Homo sapiens

US-10-775-204-1684

Query Match 100.0%; Score 748; DB 6; Length 208;

Best Local Similarity 100.0%; Pred. No. 5.2e-71;

Matches 140; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 SYNHOGDVRWRKLFSTFKYFLKIEKNGKVGSTGKENCPCYSILEITSVIGVAVKAINS 60

Db 69 SYNHOGDVRWRKLFSTFKYFLKIEKNGKVGSTGKENCPCYSILEITSVIGVAVKAINS 128

QY 61 NYLAMNKKGLYSGKEFNNDCKLERIEENGYNITYASFVWQHNGROMYVALNGKAPRR 120

Db 129 NYLAMNKKGLYSGKEFNNDCKLERIEENGYNITYASFVWQHNGROMYVALNGKAPRR 188

QY 121 GQTRKNTSAHFLPMVHS 140

Db 189 GQTRKNTSAHFLPMVHS 208

RESULT 8

US-10-775-204-1685

Sequence 1685, Application US/10775204

GENERAL INFORMATION:

APPLICANT: Rosen, Craig A.

APPLICANT: Haseltine, William A.

APPLICANT: Balance, David J.

APPLICANT: Turner, Andrew J.

; TITLE OF INVENTION: Albumin Fusion Proteins

; FILE REFERENCE: PF564

; CURRENT APPLICATION NUMBER: US/10/775,204

; CURRENT FILING DATE: 2004-02-11

; PRIOR APPLICATION NUMBER: 60/341,811

; PRIOR FILING DATE: 2001-12-21

; PRIOR APPLICATION NUMBER: 60/360,000

; PRIOR FILING DATE: 2002-02-28

; PRIOR APPLICATION NUMBER: 60/378,950

; PRIOR FILING DATE: 2002-05-10

; PRIOR APPLICATION NUMBER: 60/398,008

; PRIOR FILING DATE: 2002-07-24

; PRIOR APPLICATION NUMBER: 60/411,355

; PRIOR FILING DATE: 2002-09-18

; PRIOR APPLICATION NUMBER: 60/414,984

; PRIOR FILING DATE: 2002-10-02

; PRIOR APPLICATION NUMBER: 60/417,611

; PRIOR FILING DATE: 2002-10-11

; PRIOR APPLICATION NUMBER: 60/420,246

; PRIOR FILING DATE: 2002-10-23

; PRIOR APPLICATION NUMBER: 60/423,623

; PRIOR FILING DATE: 2002-11-05

; PRIOR APPLICATION NUMBER: 60/351,360

; PRIOR FILING DATE: 2002-01-28

; Remaining Prior Application data removed - See File Wrapper or PALM.

; NUMBER OF SEQ ID NOS: 2222

; SOFTWARE: Patentin Ver. 2.0

; SEQ ID NO 1685

; LENGTH: 208

; TYPE: PRT

; ORGANISM: Homo sapiens

US-10-775-204-1685

Query Match 100.0%; Score 748; DB 6; Length 208;

Best Local Similarity 100.0%; Pred. No. 5.2e-71;

Matches 140; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 SYNHOGDVRWRKLFSTFKYFLKIEKNGKVGSTGKENCPCYSILEITSVIGVAVKAINS 60

Db 69 SYNHOGDVRWRKLFSTFKYFLKIEKNGKVGSTGKENCPCYSILEITSVIGVAVKAINS 128

QY 61 NYLAMNKKGLYSGKEFNNDCKLERIEENGYNITYASFVWQHNGROMYVALNGKAPRR 120

Db 129 NYLAMNKKGLYSGKEFNNDCKLERIEENGYNITYASFVWQHNGROMYVALNGKAPRR 188

QY 121 GQTRKNTSAHFLPMVHS 140

Db 189 GQTRKNTSAHFLPMVHS 208

RESULT 9

US-10-775-204-1688

Sequence 1688, Application US/10775204

GENERAL INFORMATION:

APPLICANT: Rosen, Craig A.

APPLICANT: Haseltine, William A.

APPLICANT: Balance, David J.

APPLICANT: Turner, Andrew J.

TITLE OF INVENTION: Albumin Fusion Proteins

FILE REFERENCE: PF564

CURRENT APPLICATION NUMBER: US/10/775,204

CURRENT FILING DATE: 2004-02-11

PRIOR APPLICATION NUMBER: 60/341,811

PRIOR FILING DATE: 2001-12-21

PRIOR APPLICATION NUMBER: 60/360,000

PRIOR FILING DATE: 2002-02-28

PRIOR APPLICATION NUMBER: 60/378,950

PRIOR FILING DATE: 2002-05-10

PRIOR APPLICATION NUMBER: 60/398,008

PRIOR FILING DATE: 2002-07-24

PRIOR APPLICATION NUMBER: 60/411,355

PRIOR FILING DATE: 2002-09-18

PRIOR APPLICATION NUMBER: 60/414,984

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; PRIOR FILING DATE: 2002-10-02
; PRIOR APPLICATION NUMBER: 60/417,611
; PRIOR FILING DATE: 2002-10-11
; PRIOR APPLICATION NUMBER: 60/420,246
; PRIOR FILING DATE: 2002-10-23
; PRIOR APPLICATION NUMBER: 60/423,623
; PRIOR FILING DATE: 2002-11-05
; PRIOR APPLICATION NUMBER: 60/351,360
; PRIOR FILING DATE: 2002-01-28
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 2222
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 1688
; LENGTH: 208
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-775-204-1692

Query Match      100.0%; Score 748; DB 6; Length 208;
Best Local Similarity 100.0%; Pred. No. 5.2e-71;
Matches 140; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 SYNHLQDVWRKLFSTKYFLKIEKNGKVGSGTKKENCPCYSILEITSVIGVAVKAINS 60
DB 69 SYNHLQDVWRKLFSTKYFLKIEKNGKVGSGTKKENCPCYSILEITSVIGVAVKAINS 128
QY 61 NYILAMNKKGLYSGKEFNNDCKLKERIEENGNTYVASFVWQHNGRMVVALNGKAPRR 120
DB 129 NYILAMNKKGLYSGKEFNNDCKLKERIEENGNTYVASFVWQHNGRMVVALNGKAPRR 188
QY 121 GQTRRKNTSAHFLPMVVS 140
DB 189 GQTRRKNTSAHFLPMVVS 208

RESULT 10
US-10-775-204-1692
; Sequence 1692, Application US/10775204
; GENERAL INFORMATION:
; APPLICANT: Rosen, Craig A.
; APPLICANT: Haseltine, William A.
; APPLICANT: Balance, David J.
; APPLICANT: Turner, Andrew J.
; TITLE OF INVENTION: Albumin Fusion Proteins
; FILE REFERENCE: PF564
; CURRENT APPLICATION NUMBER: US/10/775,204
; CURRENT FILING DATE: 2004-02-11
; PRIOR APPLICATION NUMBER: 60/341,811
; PRIOR FILING DATE: 2001-12-21
; PRIOR APPLICATION NUMBER: 60/360,000
; PRIOR FILING DATE: 2002-02-28
; PRIOR APPLICATION NUMBER: 60/378,950
; PRIOR FILING DATE: 2002-05-10
; PRIOR APPLICATION NUMBER: 60/398,008
; PRIOR FILING DATE: 2002-07-24
; PRIOR APPLICATION NUMBER: 60/411,355
; PRIOR FILING DATE: 2002-09-18
; PRIOR APPLICATION NUMBER: 60/414,984
; PRIOR FILING DATE: 2002-10-02
; PRIOR APPLICATION NUMBER: 60/417,611
; PRIOR FILING DATE: 2002-10-11
; PRIOR APPLICATION NUMBER: 60/420,246
; PRIOR FILING DATE: 2002-10-23
; PRIOR APPLICATION NUMBER: 60/423,623
; PRIOR FILING DATE: 2002-11-05
; PRIOR APPLICATION NUMBER: 60/351,360
; PRIOR FILING DATE: 2002-01-28
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 2222
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 1692
; LENGTH: 208
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-775-204-1693

Query Match      100.0%; Score 748; DB 6; Length 208;
Best Local Similarity 100.0%; Pred. No. 5.2e-71;
Matches 140; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 SYNHLQDVWRKLFSTKYFLKIEKNGKVGSGTKKENCPCYSILEITSVIGVAVKAINS 60
DB 69 SYNHLQDVWRKLFSTKYFLKIEKNGKVGSGTKKENCPCYSILEITSVIGVAVKAINS 128
QY 61 NYILAMNKKGLYSGKEFNNDCKLKERIEENGNTYVASFVWQHNGRMVVALNGKAPRR 120
DB 129 NYILAMNKKGLYSGKEFNNDCKLKERIEENGNTYVASFVWQHNGRMVVALNGKAPRR 188
QY 121 GQTRRKNTSAHFLPMVVS 140
DB 189 GQTRRKNTSAHFLPMVVS 208

RESULT 11
US-10-775-204-1693
; Sequence 1693, Application US/10775204
; GENERAL INFORMATION:
; APPLICANT: Rosen, Craig A.
; APPLICANT: Haseltine, William A.
; APPLICANT: Balance, David J.
; APPLICANT: Turner, Andrew J.
; TITLE OF INVENTION: Albumin Fusion Proteins
; FILE REFERENCE: PF564
; CURRENT APPLICATION NUMBER: US/10/775,204
; CURRENT FILING DATE: 2004-02-11
; PRIOR APPLICATION NUMBER: 60/341,811
; PRIOR FILING DATE: 2001-12-21
; PRIOR APPLICATION NUMBER: 60/360,000
; PRIOR FILING DATE: 2002-02-28
; PRIOR APPLICATION NUMBER: 60/378,950
; PRIOR FILING DATE: 2002-05-10
; PRIOR APPLICATION NUMBER: 60/398,008
; PRIOR FILING DATE: 2002-07-24
; PRIOR APPLICATION NUMBER: 60/411,355
; PRIOR FILING DATE: 2002-09-18
; PRIOR APPLICATION NUMBER: 60/414,984
; PRIOR FILING DATE: 2002-10-02
; PRIOR APPLICATION NUMBER: 60/417,611
; PRIOR FILING DATE: 2002-10-11
; PRIOR APPLICATION NUMBER: 60/420,246
; PRIOR FILING DATE: 2002-10-23
; PRIOR APPLICATION NUMBER: 60/423,623
; PRIOR FILING DATE: 2002-11-05
; PRIOR APPLICATION NUMBER: 60/351,360
; PRIOR FILING DATE: 2002-01-28
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 2222
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 1693
; LENGTH: 208
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-775-204-1693
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; ORGANISM: Homo sapiens
US-10-775-204-1692

Query Match      100.0%; Score 748; DB 6; Length 208;
Best Local Similarity 100.0%; Pred. No. 5.2e-71;
Matches 140; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 SYNHLQDVWRKLFSTKYFLKIEKNGKVGSGTKKENCPCYSILEITSVIGVAVKAINS 60
DB 69 SYNHLQDVWRKLFSTKYFLKIEKNGKVGSGTKKENCPCYSILEITSVIGVAVKAINS 128
QY 61 NYILAMNKKGLYSGKEFNNDCKLKERIEENGNTYVASFVWQHNGRMVVALNGKAPRR 120
DB 129 NYILAMNKKGLYSGKEFNNDCKLKERIEENGNTYVASFVWQHNGRMVVALNGKAPRR 188
QY 121 GQTRRKNTSAHFLPMVVS 140
DB 189 GQTRRKNTSAHFLPMVVS 208

RESULT 11
US-10-775-204-1693
; Sequence 1693, Application US/10775204
; GENERAL INFORMATION:
; APPLICANT: Rosen, Craig A.
; APPLICANT: Haseltine, William A.
; APPLICANT: Balance, David J.
; APPLICANT: Turner, Andrew J.
; TITLE OF INVENTION: Albumin Fusion Proteins
; FILE REFERENCE: PF564
; CURRENT APPLICATION NUMBER: US/10/775,204
; CURRENT FILING DATE: 2004-02-11
; PRIOR APPLICATION NUMBER: 60/341,811
; PRIOR FILING DATE: 2001-12-21
; PRIOR APPLICATION NUMBER: 60/360,000
; PRIOR FILING DATE: 2002-02-28
; PRIOR APPLICATION NUMBER: 60/378,950
; PRIOR FILING DATE: 2002-05-10
; PRIOR APPLICATION NUMBER: 60/398,008
; PRIOR FILING DATE: 2002-07-24
; PRIOR APPLICATION NUMBER: 60/411,355
; PRIOR FILING DATE: 2002-09-18
; PRIOR APPLICATION NUMBER: 60/414,984
; PRIOR FILING DATE: 2002-10-02
; PRIOR APPLICATION NUMBER: 60/417,611
; PRIOR FILING DATE: 2002-10-11
; PRIOR APPLICATION NUMBER: 60/420,246
; PRIOR FILING DATE: 2002-10-23
; PRIOR APPLICATION NUMBER: 60/423,623
; PRIOR FILING DATE: 2002-11-05
; PRIOR APPLICATION NUMBER: 60/351,360
; PRIOR FILING DATE: 2002-01-28
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 2222
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 1693
; LENGTH: 208
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-775-204-1693

Query Match      100.0%; Score 748; DB 6; Length 208;
Best Local Similarity 100.0%; Pred. No. 5.2e-71;
Matches 140; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 SYNHLQDVWRKLFSTKYFLKIEKNGKVGSGTKKENCPCYSILEITSVIGVAVKAINS 60
DB 69 SYNHLQDVWRKLFSTKYFLKIEKNGKVGSGTKKENCPCYSILEITSVIGVAVKAINS 128
QY 61 NYILAMNKKGLYSGKEFNNDCKLKERIEENGNTYVASFVWQHNGRMVVALNGKAPRR 120
DB 129 NYILAMNKKGLYSGKEFNNDCKLKERIEENGNTYVASFVWQHNGRMVVALNGKAPRR 188
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QY 121 GQTRKNTSAHFLPMVHS 140
Db 189 GQTRKNTSAHFLPMVHS 208

RESULT 12
US-10-775-204-1694
; Sequence 1694, Application US/10775204
; GENERAL INFORMATION:
; APPLICANT: Rosen, Craig A.
; APPLICANT: Haseltine, William A.
; APPLICANT: Balance, David J.
; APPLICANT: Turner, Andrew J.
; TITLE OF INVENTION: Albumin Fusion Proteins
; FILE REFERENCE: PF564
; CURRENT APPLICATION NUMBER: US/10/775,204
; CURRENT FILING DATE: 2004-02-11
; PRIOR APPLICATION NUMBER: 60/341,811
; PRIOR FILING DATE: 2001-12-21
; PRIOR APPLICATION NUMBER: 60/360,000
; PRIOR FILING DATE: 2002-02-28
; PRIOR APPLICATION NUMBER: 60/378,950
; PRIOR FILING DATE: 2002-05-10
; PRIOR APPLICATION NUMBER: 60/398,008
; PRIOR FILING DATE: 2002-07-24
; PRIOR APPLICATION NUMBER: 60/411,355
; PRIOR FILING DATE: 2002-09-18
; PRIOR APPLICATION NUMBER: 60/414,984
; PRIOR FILING DATE: 2002-10-02
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 2222
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 1694
; LENGTH: 208
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-775-204-1694

Query Match 100.0%; Score 748; DB 6; Length 208;
Best Local Similarity 100.0%; Pred. No. 5.2e-71;
Matches 140; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 SYNHLQDVWRKLFSTKYFLKIEKNGKVSQTKKENCPSYLSLEITSVEIGVAVKAINS 60
Db 69 SYNHLQDVWRKLFSTKYFLKIEKNGKVSQTKKENCPSYLSLEITSVEIGVAVKAINS 128

QY 61 NYVLANKKGLYGSKEFNNDCKLKERIEENGYNFYASFNQHNGROMYVALNGKAPRR 120
Db 129 NYVLANKKGLYGSKEFNNDCKLKERIEENGYNFYASFNQHNGROMYVALNGKAPRR 188

QY 121 GQTRKNTSAHFLPMVHS 140
Db 189 GQTRKNTSAHFLPMVHS 208

RESULT 13
US-10-775-204-1698
; Sequence 1698, Application US/10775204
; GENERAL INFORMATION:
; APPLICANT: Rosen, Craig A.
; APPLICANT: Haseltine, William A.
; APPLICANT: Balance, David J.
; APPLICANT: Turner, Andrew J.
; TITLE OF INVENTION: Albumin Fusion Proteins
; FILE REFERENCE: PF564
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; CURRENT APPLICATION NUMBER: US/10/775,204
; CURRENT FILING DATE: 2004-02-11
; PRIOR APPLICATION NUMBER: 60/341,811
; PRIOR FILING DATE: 2001-12-21
; PRIOR APPLICATION NUMBER: 60/360,000
; PRIOR FILING DATE: 2002-02-28
; PRIOR APPLICATION NUMBER: 60/378,950
; PRIOR FILING DATE: 2002-05-10
; PRIOR APPLICATION NUMBER: 60/398,008
; PRIOR FILING DATE: 2002-07-24
; PRIOR APPLICATION NUMBER: 60/411,355
; PRIOR FILING DATE: 2002-09-18
; PRIOR APPLICATION NUMBER: 60/414,984
; PRIOR FILING DATE: 2002-10-02
; PRIOR APPLICATION NUMBER: 60/417,611
; PRIOR FILING DATE: 2002-10-11
; PRIOR APPLICATION NUMBER: 60/420,246
; PRIOR FILING DATE: 2002-10-23
; PRIOR APPLICATION NUMBER: 60/423,623
; PRIOR FILING DATE: 2002-11-05
; PRIOR APPLICATION NUMBER: 60/351,360
; PRIOR FILING DATE: 2002-01-28
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 2222
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 1698
; LENGTH: 208
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-775-204-1698

Query Match 100.0%; Score 748; DB 6; Length 208;
Best Local Similarity 100.0%; Pred. No. 5.2e-71;
Matches 140; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 SYNHLQDVWRKLFSTKYFLKIEKNGKVSQTKKENCPSYLSLEITSVEIGVAVKAINS 60
Db 69 SYNHLQDVWRKLFSTKYFLKIEKNGKVSQTKKENCPSYLSLEITSVEIGVAVKAINS 128

QY 61 NYVLANKKGLYGSKEFNNDCKLKERIEENGYNFYASFNQHNGROMYVALNGKAPRR 120
Db 129 NYVLANKKGLYGSKEFNNDCKLKERIEENGYNFYASFNQHNGROMYVALNGKAPRR 188

QY 121 GQTRKNTSAHFLPMVHS 140
Db 189 GQTRKNTSAHFLPMVHS 208

RESULT 14
US-10-775-204-1516
; Sequence 1516, Application US/10775204
; GENERAL INFORMATION:
; APPLICANT: Rosen, Craig A.
; APPLICANT: Haseltine, William A.
; APPLICANT: Balance, David J.
; APPLICANT: Turner, Andrew J.
; TITLE OF INVENTION: Albumin Fusion Proteins
; FILE REFERENCE: PF564
; CURRENT APPLICATION NUMBER: US/10/775,204
; CURRENT FILING DATE: 2004-02-11
; PRIOR APPLICATION NUMBER: 60/341,811
; PRIOR FILING DATE: 2001-12-21
; PRIOR APPLICATION NUMBER: 60/360,000
; PRIOR FILING DATE: 2002-02-28
; PRIOR APPLICATION NUMBER: 60/378,950
; PRIOR FILING DATE: 2002-05-10
; PRIOR APPLICATION NUMBER: 60/398,008
; PRIOR FILING DATE: 2002-07-24
; PRIOR APPLICATION NUMBER: 60/411,355
; PRIOR FILING DATE: 2002-09-18
; PRIOR APPLICATION NUMBER: 60/414,984
; PRIOR FILING DATE: 2002-10-02
; PRIOR APPLICATION NUMBER: 60/417,611
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; PRIOR FILING DATE: 2002-10-11
; PRIOR APPLICATION NUMBER: 60/420,246
; PRIOR FILING DATE: 2002-10-23
; PRIOR APPLICATION NUMBER: 60/423,623
; PRIOR FILING DATE: 2002-11-05
; PRIOR APPLICATION NUMBER: 60/351,360
; PRIOR FILING DATE: 2002-01-28
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 222
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 1516
; LENGTH: 749
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-775-204-1516

Query Match      100.0%; Score 748; DB 6; Length 749;
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Qy 121 GQTRRKNTSAHFLPMVHVS 140
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; Sequence 1517, Application US/10775204
; GENERAL INFORMATION:
; APPLICANT: Rosen, Craig A.
; APPLICANT: Haseltine, William A.
; APPLICANT: Balance, David J.
; APPLICANT: Turner, Andrew J.
; TITLE OF INVENTION: Albumin Fusion Proteins
; FILE REFERENCE: PF564
; CURRENT APPLICATION NUMBER: US/10/775,204
; CURRENT FILING DATE: 2004-02-11
; PRIOR APPLICATION NUMBER: 60/341,811
; PRIOR FILING DATE: 2001-12-21
; PRIOR APPLICATION NUMBER: 60/360,000
; PRIOR FILING DATE: 2002-02-28
; PRIOR APPLICATION NUMBER: 60/378,950
; PRIOR FILING DATE: 2002-05-10
; PRIOR APPLICATION NUMBER: 60/398,008
; PRIOR FILING DATE: 2002-07-24
; PRIOR APPLICATION NUMBER: 60/411,355
; PRIOR FILING DATE: 2002-09-18
; PRIOR APPLICATION NUMBER: 60/414,984
; PRIOR FILING DATE: 2002-10-02
; PRIOR APPLICATION NUMBER: 60/417,611
; PRIOR FILING DATE: 2002-10-11
; PRIOR APPLICATION NUMBER: 60/420,246
; PRIOR FILING DATE: 2002-10-23
; PRIOR APPLICATION NUMBER: 60/423,623
; PRIOR FILING DATE: 2002-11-05
; PRIOR APPLICATION NUMBER: 60/351,360
; PRIOR FILING DATE: 2002-01-28
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 222
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 1517
; LENGTH: 749
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-775-204-1517
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Query Match      100.0%; Score 748; DB 6; Length 749;
Best Local Similarity 100.0%; Pred. No. 2.8e-70;
Matches 140; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 SYNHLQGDVWRKLPSTTKYFLKIEKNGKVSQTKKENCPCYSILEITSVIGVAVKAINS 60
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Job time : 20 secs
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OM protein - protein search, using sw model

Run on: March 26, 2004, 04:43:50 ; Search time 383 Seconds
(without alignments)
356.782 Million cell updates/sec

Title: US-10-035-212-2_COPY_69_208

Perfect score: 748

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Gapop 10.0 , Gapext 0.5

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Total number of hits satisfying chosen parameters: 6019581

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

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 - 33: /cgn2_6/ptodata/2/paa/US60_COMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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ult	No.	Score	Match	Length

1	748	100.0	141	1	PCT-US00-15186-17	Sequence 17, Appl
2	748	100.0	141	1	PCT-US00-15186-33	Sequence 33, Appl
3	748	100.0	141	1	PCT-US00-18328-96	Sequence 96, Appl
4	748	100.0	141	1	PCT-US00-18328-112	Sequence 112, Appl
5	748	100.0	141	1	PCT-US02-00101-96	Sequence 96, Appl
6	748	100.0	141	1	PCT-US02-00101-112	Sequence 112, Appl
7	748	100.0	141	1	PCT-US98-26085-17	Sequence 17, Appl
8	748	100.0	141	1	PCT-US98-26085-33	Sequence 33, Appl
9	748	100.0	141	1	PCT-US99-03018-96	Sequence 96, Appl
10	748	100.0	141	1	PCT-US99-03018-112	Sequence 112, Appl
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12	748	100.0	141	13	US-08-910-875-112	Sequence 112, Appl
13	748	100.0	141	16	US-09-284-100-4	Sequence 4, Appl
14	748	100.0	141	16	US-09-284-100A-4	Sequence 4, Appl
15	748	100.0	141	17	US-09-345-373-96	Sequence 96, Appl
16	748	100.0	141	17	US-09-345-373-112	Sequence 112, Appl
17	748	100.0	141	19	US-09-583-541-17	Sequence 17, Appl
18	748	100.0	141	19	US-09-583-541-33	Sequence 33, Appl
19	748	100.0	141	20	US-09-610-651-96	Sequence 96, Appl
20	748	100.0	141	20	US-09-610-651-112	Sequence 112, Appl
21	748	100.0	141	26	US-10-035-212-96	Sequence 96, Appl
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41	748	100.0	147	26	US-10-075-446-68	Sequence 68, Appl
42	748	100.0	147	27	US-10-194-443-4	Sequence 4, Appl
43	748	100.0	147	30	US-10-461-643-68	Sequence 68, Appl
44	748	100.0	147	33	US-60-171-677-68	Sequence 68, Appl
45	748	100.0	152	16	US-09-284-100-6	Sequence 6, Appl

ALIGNMENTS

RESULT 1
PCT-US00-15186-17
; Sequence 17, Application PC/TUS0015186
; GENERAL INFORMATION:
; APPLICANT: Human Genome Sciences, Inc.
; APPLICANT: Gentz, Reiner L.
; APPLICANT: Chopra, Arvind
; APPLICANT: Kaushal, Parveen
; APPLICANT: Spitznagel, Thomas
; APPLICANT: Unsworth, Edward
; APPLICANT: Khan, Fazal
; TITLE OF INVENTION: Keratinocyte Growth Factor-2 Formulations
; FILE REFERENCE: 1488.103PG05
; CURRENT APPLICATION NUMBER: PCT/US00/15186
; PRIOR FILING DATE: 2000-06-02
; PRIOR APPLICATION NUMBER: US 60/137,448
; PRIOR FILING DATE: 1999-06-02
; PRIOR APPLICATION NUMBER: US 60/160,913
; PRIOR FILING DATE: 1999-10-22
; NUMBER OF SEQ ID NOS: 33
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 17
; LENGTH: 141

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; TYPE: PRT
; ORGANISM: Homo sapiens
PCT-US00-15186-17

Query Match
Best Local Similarity 100.0%; Score 748; DB 1; Length 141;
Matches 140; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 121 GQKTRKNTSAHFLPMVHVS 140
Db 122 GQKTRKNTSAHFLPMVHVS 141

RESULT 2
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; Sequence 33, Application PC/TUS0015186
; GENERAL INFORMATION:
; APPLICANT: Human Genome Sciences, Inc.
; APPLICANT: Gentz, Reiner L.
; APPLICANT: Chopra, Arvind
; APPLICANT: Kaushal, Parveen
; APPLICANT: Spitznagel, Thomas
; APPLICANT: Unsworth, Edward
; APPLICANT: Khan, Fazal
; TITLE OF INVENTION: Keratinocyte Growth Factor-2 Formulations
; FILE REFERENCE: 1488.103PC05
; CURRENT APPLICATION NUMBER: PCT/US00/15186
; PRIOR FILING DATE: 2000-06-02
; PRIOR APPLICATION NUMBER: US 60/137,448
; PRIOR FILING DATE: 1999-06-02
; PRIOR APPLICATION NUMBER: US 60/160,913
; PRIOR FILING DATE: 1999-10-22
; NUMBER OF SEQ ID NOS: 33
; SOFTWARE: Patent In Ver. 2.0
; SEQ ID NO 33
; LENGTH: 141
; TYPE: PRT
; ORGANISM: Homo sapiens
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Query Match
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Matches 140; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 121 GQKTRKNTSAHFLPMVHVS 140
Db 122 GQKTRKNTSAHFLPMVHVS 141

RESULT 3
PCT-US00-18328-96
; Sequence 96, Application PC/TUS0018328
; GENERAL INFORMATION:
; APPLICANT: Ruben, Steven M.
; APPLICANT: Jimenez, Pablo
; APPLICANT: Duan, D. Roxanne
; APPLICANT: Rampy, Mark A.
; APPLICANT: Gentz, Reiner L.
; TITLE OF INVENTION: Keratinocyte Growth Factor-2
; FILE REFERENCE: 1488.036PC0K

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; APPLICANT: Mendrick, Donna
; APPLICANT: Zhang, Jun
; APPLICANT: Ni, Jian
; APPLICANT: Moore, Paul A.
; APPLICANT: Coleman, Timothy A.
; APPLICANT: Gruber, Joachim R.
; APPLICANT: Dillon, Patrick J.
; APPLICANT: Gentz, Reiner L.
; TITLE OF INVENTION: Keratinocyte Growth Factor-2
; FILE REFERENCE: 1488.036PC0K
; CURRENT APPLICATION NUMBER: PCT/US00/18328
; CURRENT FILING DATE: 2000-07-03
; PRIOR APPLICATION NUMBER: 60/142,343
; PRIOR FILING DATE: 1999-07-02
; PRIOR APPLICATION NUMBER: 60/143,648
; PRIOR FILING DATE: 1999-07-14
; PRIOR APPLICATION NUMBER: 60/144,024
; PRIOR FILING DATE: 1999-07-15
; PRIOR APPLICATION NUMBER: 60/148,628
; PRIOR FILING DATE: 1999-08-12
; PRIOR APPLICATION NUMBER: 60/149,935
; PRIOR FILING DATE: 1999-08-19
; PRIOR APPLICATION NUMBER: 60/163,375
; PRIOR FILING DATE: 1999-11-03
; PRIOR APPLICATION NUMBER: 60/171,677
; PRIOR FILING DATE: 1999-12-22
; PRIOR APPLICATION NUMBER: 60/205,417
; PRIOR FILING DATE: 2000-05-19
; PRIOR APPLICATION NUMBER: 60/198,322
; PRIOR FILING DATE: 2000-04-19
; NUMBER OF SEQ ID NOS: 176
; SOFTWARE: Patent In Ver. 2.1
; SEQ ID NO 96
; LENGTH: 141
; TYPE: PRT
; ORGANISM: Homo sapiens
PCT-US00-18328-96

Query Match
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Matches 140; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 61 NYILAMNKKGLYGSKEFNNDCKLKERIEENGYNNTYASFNWQHNGRQMYVALNGKGAPRR 120
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QY 121 GQKTRKNTSAHFLPMVHVS 140
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RESULT 4
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; Sequence 112, Application PC/TUS0018328
; GENERAL INFORMATION:
; APPLICANT: Ruben, Steven M.
; APPLICANT: Jimenez, Pablo
; APPLICANT: Duan, D. Roxanne
; APPLICANT: Rampy, Mark A.
; APPLICANT: Mendrick, Donna
; APPLICANT: Zhang, Jun
; APPLICANT: Ni, Jian
; APPLICANT: Moore, Paul A.
; APPLICANT: Coleman, Timothy A.
; APPLICANT: Gruber, Joachim R.
; APPLICANT: Dillon, Patrick J.
; APPLICANT: Gentz, Reiner L.
; TITLE OF INVENTION: Keratinocyte Growth Factor-2
; FILE REFERENCE: 1488.036PC0K

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; CURRENT APPLICATION NUMBER: PCT/US00/18328
; CURRENT FILING DATE: 2000-07-03
; PRIOR APPLICATION NUMBER: 60/142,343
; PRIOR FILING DATE: 1999-07-02
; PRIOR APPLICATION NUMBER: 60/143,648
; PRIOR FILING DATE: 1999-07-14
; PRIOR APPLICATION NUMBER: 60/144,024
; PRIOR FILING DATE: 1999-07-15
; PRIOR APPLICATION NUMBER: 60/148,628
; PRIOR FILING DATE: 1999-08-12
; PRIOR APPLICATION NUMBER: 60/149,935
; PRIOR FILING DATE: 1999-08-19
; PRIOR APPLICATION NUMBER: 60/163,375
; PRIOR FILING DATE: 1999-11-03
; PRIOR APPLICATION NUMBER: 60/171,677
; PRIOR FILING DATE: 1999-12-22
; PRIOR APPLICATION NUMBER: 60/205,417
; PRIOR FILING DATE: 2000-05-19
; PRIOR APPLICATION NUMBER: 60/198,322
; PRIOR FILING DATE: 2000-04-19
; NUMBER OF SEQ ID NOS: 176
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 112
; LENGTH: 141
; TYPE: PRT
; ORGANISM: Homo sapiens
PCT-US00-18328-112

Query Match      100.0%; Score 748; DB 1; Length 141;
Best Local Similarity 100.0%; Pred. No. 1.2e-75;
Matches 140; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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; GENERAL INFORMATION:
; APPLICANT: Ruben, Steven M.
; APPLICANT: Jimenez, Pablo
; APPLICANT: Duan, D. Roxanne
; APPLICANT: Rampy, Mark A.
; APPLICANT: Mendrick, Donna
; APPLICANT: Zhang, Jun
; APPLICANT: Ni, Jian
; APPLICANT: Moore, Paul A.
; APPLICANT: Coleman, Timothy A.
; APPLICANT: Gruber, Joachim R.
; APPLICANT: Dallon, Patrick J.
; APPLICANT: Gentz, Reiner L.
; TITLE OF INVENTION: Keratinocyte Growth Factor-2
; FILE REFERENCE: 1488.036FCOP
; CURRENT FILING DATE: 2002-01-04
; CURRENT APPLICATION NUMBER: PCT/US02/00101
; PRIOR FILING DATE: 1995-02-14
; PRIOR APPLICATION NUMBER: PCT/US95/01790
; PRIOR FILING DATE: 1995-02-14
; PRIOR APPLICATION NUMBER: 08/461,195
; PRIOR FILING DATE: 1995-06-05
; PRIOR APPLICATION NUMBER: 08/696,135
; PRIOR FILING DATE: 1996-08-13
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; PRIOR FILING DATE: 1997-05-23
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; PRIOR APPLICATION NUMBER: 60/023,852
; PRIOR FILING DATE: 1996-08-13
; PRIOR APPLICATION NUMBER: 60/039,045
; PRIOR FILING DATE: 1997-02-28
; PRIOR APPLICATION NUMBER: 60/055,561
; PRIOR FILING DATE: 1997-08-13
; PRIOR APPLICATION NUMBER: 08/910,875
; PRIOR FILING DATE: 1997-08-13
; PRIOR APPLICATION NUMBER: 09/023,082
; PRIOR FILING DATE: 1998-02-13
; PRIOR APPLICATION NUMBER: 09/345,373
; PRIOR FILING DATE: 1999-07-01
; PRIOR APPLICATION NUMBER: 60/142,343
; PRIOR FILING DATE: 1999-07-02
; PRIOR APPLICATION NUMBER: 60/143,648
; PRIOR FILING DATE: 1999-07-14
; PRIOR APPLICATION NUMBER: 60/144,024
; PRIOR FILING DATE: 1999-07-15
; PRIOR APPLICATION NUMBER: 60/148,628
; PRIOR FILING DATE: 1999-08-12
; PRIOR APPLICATION NUMBER: 60/149,935
; PRIOR FILING DATE: 1999-09-24
; PRIOR APPLICATION NUMBER: 60/163,375
; PRIOR FILING DATE: 1999-11-03
; PRIOR APPLICATION NUMBER: 60/171,677
; PRIOR FILING DATE: 1999-12-22
; PRIOR APPLICATION NUMBER: 60/205,417
; PRIOR FILING DATE: 2000-05-19
; PRIOR APPLICATION NUMBER: 60/198,322
; PRIOR FILING DATE: 2000-04-19
; PRIOR APPLICATION NUMBER: 60/259,853
; PRIOR FILING DATE: 2001-01-05
; PRIOR APPLICATION NUMBER: 60/286,368
; PRIOR FILING DATE: 2001-04-26
; PRIOR APPLICATION NUMBER: 60/331,168
; PRIOR FILING DATE: 2001-11-09
; NUMBER OF SEQ ID NOS: 176
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 96
; LENGTH: 141
; TYPE: PRT
; ORGANISM: Homo sapiens
PCT-US02-00101-96

Query Match      100.0%; Score 748; DB 1; Length 141;
Best Local Similarity 100.0%; Pred. No. 1.2e-75;
Matches 140; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 62 NYILAMNKGKLYGSKFNFNDCKLKERIEENGYNITYASFNWQHNGRQMYVALNGKGAPRR 121
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Db 122 GQKTRKNTSAHFLPMVVS 141

RESULT 6
PCT-US02-00101-112
; Sequence 112, Application PC/TUS0200101
; GENERAL INFORMATION:
; APPLICANT: Ruben, Steven M.
; APPLICANT: Jimenez, Pablo
; APPLICANT: Duan, D. Roxanne
; APPLICANT: Rampy, Mark A.
; APPLICANT: Mendrick, Donna
; APPLICANT: Zhang, Jun
; APPLICANT: Ni, Jian
; APPLICANT: Moore, Paul A.
```

APPLICANT: Coleman, Timothy A.
APPLICANT: Gruber, Joachim R.
APPLICANT: Dillon, Patrick J.
APPLICANT: Gentz, Reiner L.
TITLE OF INVENTION: Keratinocyte Growth Factor-2
FILE REFERENCE: 1488.036PCOP
CURRENT APPLICATION NUMBER: PCT/US02/00101
CURRENT FILING DATE: 2002-01-04
PRIOR APPLICATION NUMBER: PCT/US95/01790
PRIOR FILING DATE: 1995-02-14
PRIOR APPLICATION NUMBER: 08/461,195
PRIOR FILING DATE: 1995-06-05
PRIOR APPLICATION NUMBER: 08/696,135
PRIOR FILING DATE: 1996-08-13
PRIOR APPLICATION NUMBER: 08/862,432
PRIOR FILING DATE: 1997-05-23
PRIOR APPLICATION NUMBER: 60/023,852
PRIOR FILING DATE: 1996-08-13
PRIOR APPLICATION NUMBER: 60/039,045
PRIOR FILING DATE: 1997-02-28
PRIOR APPLICATION NUMBER: 60/055,561
PRIOR FILING DATE: 1997-08-13
PRIOR APPLICATION NUMBER: 08/910,875
PRIOR FILING DATE: 1997-08-13
PRIOR APPLICATION NUMBER: 09/023,082
PRIOR FILING DATE: 1998-02-13
PRIOR APPLICATION NUMBER: 09/345,373
PRIOR FILING DATE: 1999-07-01
PRIOR APPLICATION NUMBER: 60/142,343
PRIOR FILING DATE: 1999-07-02
PRIOR APPLICATION NUMBER: 60/143,648
PRIOR FILING DATE: 1999-07-14
PRIOR APPLICATION NUMBER: 60/144,024
PRIOR FILING DATE: 1999-07-15
PRIOR APPLICATION NUMBER: 60/148,628
PRIOR FILING DATE: 1999-08-12
PRIOR APPLICATION NUMBER: 60/149,935
PRIOR FILING DATE: 1999-09-24
PRIOR APPLICATION NUMBER: 60/163,375
PRIOR FILING DATE: 1999-11-03
PRIOR APPLICATION NUMBER: 60/171,677
PRIOR FILING DATE: 1999-12-22
PRIOR APPLICATION NUMBER: 60/205,417
PRIOR FILING DATE: 2000-03-19
PRIOR APPLICATION NUMBER: 60/198,322
PRIOR FILING DATE: 2000-04-19
PRIOR APPLICATION NUMBER: 60/259,853
PRIOR FILING DATE: 2001-01-05
PRIOR APPLICATION NUMBER: 60/286,368
PRIOR FILING DATE: 2001-04-26
PRIOR APPLICATION NUMBER: 60/331,168
PRIOR FILING DATE: 2001-11-09
NUMBER OF SEQ ID NOS: 176
SOFTWARE: Patent in Ver. 2.1
SEQ ID NO 112
LENGTH: 141
TYPE: PRT
ORGANISM: Homo sapiens
PCT-US02-00101-112

Query Match 100.0%; Score 748; DB 1; Length 141;
Best Local Similarity 100.0%; Pred. No. 1.2e-75;
Matches 140; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 SYNHLQGDVVRWKLFSFTKYFLKIEKNGKVGSGTKKENCYPYSILEITSVGIGVAVKAINS 60
Db 2 SYNHLQGDVVRWKLFSFTKYFLKIEKNGKVGSGTKKENCYPYSILEITSVGIGVAVKAINS 61
QY 61 NYLAVNKKGKLYGSKGFNNDCKLKERIEENGYNVTYASFNQHNGROMYVALNGKGPARR 120
Db 62 NYLAVNKKGKLYGSKGFNNDCKLKERIEENGYNVTYASFNQHNGROMYVALNGKGPARR 121
QY 121 GQKTRKNTSAHFLPMVVS 140

Db 122 GQKTRKNTSAHFLPMVVS 141
RESULT 7
PCT-US98-26085-17
Sequence 17, Application PC/TUS9826085
GENERAL INFORMATION:
APPLICANT: Gentz, Reiner L.
APPLICANT: Chopra, Arvind
APPLICANT: Kaushal, Parveen
APPLICANT: Spitznagel, Thomas
APPLICANT: Unsworth, Edward
APPLICANT: Khan, Fazal
APPLICANT: Human Genome Sciences, Inc.
TITLE OF INVENTION: Keratinocyte Growth Factor-2 Formulations
FILE REFERENCE: 1488.103PC01
CURRENT APPLICATION NUMBER: PCT/US98/26085
CURRENT FILING DATE: 1998-12-22
EARLIER APPLICATION NUMBER: US 60/068,493
EARLIER FILING DATE: 1997-12-22
NUMBER OF SEQ ID NOS: 33
SOFTWARE: Patent in Ver. 2.0
SEQ ID NO 17
LENGTH: 141
TYPE: PRT
ORGANISM: Homo sapiens
PCT-US98-26085-17

Query Match 100.0%; Score 748; DB 1; Length 141;
Best Local Similarity 100.0%; Pred. No. 1.2e-75;
Matches 140; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 SYNHLQGDVVRWKLFSFTKYFLKIEKNGKVGSGTKKENCYPYSILEITSVGIGVAVKAINS 60
Db 2 SYNHLQGDVVRWKLFSFTKYFLKIEKNGKVGSGTKKENCYPYSILEITSVGIGVAVKAINS 61
QY 61 NYLAVNKKGKLYGSKGFNNDCKLKERIEENGYNVTYASFNQHNGROMYVALNGKGPARR 120
Db 62 NYLAVNKKGKLYGSKGFNNDCKLKERIEENGYNVTYASFNQHNGROMYVALNGKGPARR 121
QY 121 GQKTRKNTSAHFLPMVVS 140
Db 122 GQKTRKNTSAHFLPMVVS 141

RESULT 8
PCT-US98-26085-33
Sequence 33, Application PC/TUS9826085
GENERAL INFORMATION:
APPLICANT: Gentz, Reiner L.
APPLICANT: Chopra, Arvind
APPLICANT: Kaushal, Parveen
APPLICANT: Spitznagel, Thomas
APPLICANT: Unsworth, Edward
APPLICANT: Khan, Fazal
APPLICANT: Human Genome Sciences, Inc.
TITLE OF INVENTION: Keratinocyte Growth Factor-2 Formulations
FILE REFERENCE: 1488.103PC01
CURRENT APPLICATION NUMBER: PCT/US98/26085
CURRENT FILING DATE: 1998-12-22
EARLIER APPLICATION NUMBER: US 60/068,493
EARLIER FILING DATE: 1997-12-22
NUMBER OF SEQ ID NOS: 33
SOFTWARE: Patent in Ver. 2.0
SEQ ID NO 33
LENGTH: 141
TYPE: PRT
ORGANISM: Homo sapiens
PCT-US98-26085-33

Query Match 100.0%; Score 748; DB 1; Length 141;
Best Local Similarity 100.0%; Pred. No. 1.2e-75;

Matches 140; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 SYNHLQDVVRWRLPFTTKYFLKIERKGVSGTKKENCPSYLSILEITSVGIVAVKAINS 60
DB 2 SYNHLQDVVRWRLPFTTKYFLKIERKGVSGTKKENCPSYLSILEITSVGIVAVKAINS 61
QY 61 NYLWANKKGLYGSKEFNNDCKLKERIEENGNTYASFNWOHNGRQMYVALNGKGAPRR 120
DB 62 NYLWANKKGLYGSKEFNNDCKLKERIEENGNTYASFNWOHNGRQMYVALNGKGAPRR 121
QY 121 GOKTRKNTSAHFLPMVWHS 140
DB 122 GOKTRKNTSAHFLPMVWHS 141

RESULT 9
PCT-US99-03018-96
; Sequence 96, Application PC/TUS9903018
; GENERAL INFORMATION:
; APPLICANT: Human Genome Sciences, Inc.
; APPLICANT: Jimenez, Pablo
; APPLICANT: Rampy, Mark A.
; APPLICANT: Mendrick, Donna
; APPLICANT: Russell, Deborah
; APPLICANT: Louie, Arthur
; TITLE OF INVENTION: Therapeutic Uses of Keratinocyte Growth Factor-2
; FILE REFERENCE: 1488.106PC02
; CURRENT APPLICATION NUMBER: PCT/US99/03018
; CURRENT FILING DATE: 1999-02-12
; EARLIER APPLICATION NUMBER: US 60/114,387
; EARLIER FILING DATE: 30-DEC-1998
; EARLIER APPLICATION NUMBER: US 60/074,585
; EARLIER FILING DATE: 13-FEB-1998
; NUMBER OF SEQ ID NOS: 148
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 96
; LENGTH: 141
; TYPE: PRT
; ORGANISM: Homo sapiens
PCT-US99-03018-96

Query Match 100.0%; Score 748; DB 1; Length 141;
Best Local Similarity 100.0%; Pred. No. 1.2e-75;
Matches 140; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 SYNHLQDVVRWRLPFTTKYFLKIERKGVSGTKKENCPSYLSILEITSVGIVAVKAINS 60
DB 2 SYNHLQDVVRWRLPFTTKYFLKIERKGVSGTKKENCPSYLSILEITSVGIVAVKAINS 61
QY 61 NYLWANKKGLYGSKEFNNDCKLKERIEENGNTYASFNWOHNGRQMYVALNGKGAPRR 120
DB 62 NYLWANKKGLYGSKEFNNDCKLKERIEENGNTYASFNWOHNGRQMYVALNGKGAPRR 121
QY 121 GOKTRKNTSAHFLPMVWHS 140
DB 122 GOKTRKNTSAHFLPMVWHS 141

RESULT 10
PCT-US99-03018-112
; Sequence 112, Application PC/TUS9903018
; GENERAL INFORMATION:
; APPLICANT: Human Genome Sciences, Inc.
; APPLICANT: Jimenez, Pablo
; APPLICANT: Rampy, Mark A.
; APPLICANT: Mendrick, Donna
; APPLICANT: Russell, Deborah
; APPLICANT: Louie, Arthur
; TITLE OF INVENTION: Therapeutic Uses of Keratinocyte Growth Factor-2
; FILE REFERENCE: 1488.106PC02
; CURRENT APPLICATION NUMBER: PCT/US99/03018
; CURRENT FILING DATE: 1999-02-12
; EARLIER APPLICATION NUMBER: US 60/114,387

; EARLIER FILING DATE: 30-DEC-1998
; EARLIER APPLICATION NUMBER: US 60/074,585
; EARLIER FILING DATE: 13-FEB-1998
; NUMBER OF SEQ ID NOS: 148
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 112
; LENGTH: 141
; TYPE: PRT
; ORGANISM: Homo sapiens
PCT-US99-03018-112

Query Match 100.0%; Score 748; DB 1; Length 141;
Best Local Similarity 100.0%; Pred. No. 1.2e-75;
Matches 140; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 SYNHLQDVVRWRLPFTTKYFLKIERKGVSGTKKENCPSYLSILEITSVGIVAVKAINS 60
DB 2 SYNHLQDVVRWRLPFTTKYFLKIERKGVSGTKKENCPSYLSILEITSVGIVAVKAINS 61
QY 61 NYLWANKKGLYGSKEFNNDCKLKERIEENGNTYASFNWOHNGRQMYVALNGKGAPRR 120
DB 62 NYLWANKKGLYGSKEFNNDCKLKERIEENGNTYASFNWOHNGRQMYVALNGKGAPRR 121
QY 121 GOKTRKNTSAHFLPMVWHS 140
DB 122 GOKTRKNTSAHFLPMVWHS 141

RESULT 11
US-08-910-875-96
; Sequence 96, Application US/08910875
; GENERAL INFORMATION:
; APPLICANT: DUAN, ROXANNE
; APPLICANT: RUBEN, STEVEN M.
; APPLICANT: JIMENEZ, PABLO
; TITLE OF INVENTION: KERATINOCYTE GROWTH FACTOR-2
; NUMBER OF SEQUENCES: 146
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: STERNE, KESSLER, GOLDSTEIN & FOX, P.L.L.C.
; STREET: 1100 NEW YORK AVE, NW, SUITE 600
; CITY: WASHINGTON
; STATE: DC
; COUNTRY: USA
; ZIP: 20005-3934
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/910,875
; FILING DATE: 13-AUG-1997
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 60/023,852
; FILING DATE: 13-AUG-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: STEFFE, ERIC K.
; REGISTRATION NUMBER: 36,688
; REFERENCE/DOCKET NUMBER: 1488.0360006/EKS
; TELEPHONE: 202-371-2600
; TELEFAX: 202-371-2540
; INFORMATION FOR SEQ ID NO: 96:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 141 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: not relevant
; MOLECULE TYPE: protein
US-08-910-875-96

Query Match 100.0%; Score 748; DB 13; Length 141;

Best Local Similarity 100.0%; Pred. No. 1.2e-75; Mismatches 0; Indels 0; Gaps 0;
Matches 140; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Db 2 SYNHLQGDVVRWKLFSFTKYFLKIEKNGKVSCTKENCPCYSILEITSVIGVAVKAINS 61
QY 61 NYLAMNKKGLYSGKEFNNDCKLKERIEENGYNNTYASFNWOHNGROMYVALNGKGPARR 120
Db 62 NYLAMNKKGLYSGKEFNNDCKLKERIEENGYNNTYASFNWOHNGROMYVALNGKGPARR 121
QY 121 GQTKRRKNTSAHFLPMVVS 140
Db 122 GQTKRRKNTSAHFLPMVVS 141
RESULT 12
US-08-910-875-112
; Sequence 112, Application US/08910875
; GENERAL INFORMATION:
; APPLICANT: DUAN, ROXANNE
; APPLICANT: RUBEN, STEVEN M.
; APPLICANT: JIMENEZ, PABLO
; TITLE OF INVENTION: KERATINOCYTE GROWTH FACTOR-2
; NUMBER OF SEQUENCES: 146
; CORRESPONDENCE ADDRESS:
; ADDRESSES: STERNE, KESSLER, GOLDSTEIN & FOX, P.L.L.C.
; STREET: 1100 NEW YORK AVE, NW, SUITE 600
; CITY: WASHINGTON
; STATE: DC
; COUNTRY: USA
; ZIP: 20005-3934
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent in Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/910.875
; FILING DATE: 13-AUG-1997
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 60/023,852
; FILING DATE: 13-AUG-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: STEFFE, ERIC K.
; REGISTRATION NUMBER: 36,688
; REFERENCE/DOCKET NUMBER: 1488.0360006/EKS
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-371-2600
; TELEFAX: 202-371-2540
; INFORMATION FOR SEQ ID NO: 112:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 141 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: not relevant
; MOLECULE TYPE: protein
US-08-910-875-112
Query Match 100.0%; Score 748; DB 13; Length 141;
Best Local Similarity 100.0%; Pred. No. 1.2e-75;
Matches 140; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 SYNHLQGDVVRWKLFSFTKYFLKIEKNGKVSCTKENCPCYSILEITSVIGVAVKAINS 60
Db 2 SYNHLQGDVVRWKLFSFTKYFLKIEKNGKVSCTKENCPCYSILEITSVIGVAVKAINS 61
QY 61 NYLAMNKKGLYSGKEFNNDCKLKERIEENGYNNTYASFNWOHNGROMYVALNGKGPARR 120
Db 62 NYLAMNKKGLYSGKEFNNDCKLKERIEENGYNNTYASFNWOHNGROMYVALNGKGPARR 121
QY 121 GQTKRRKNTSAHFLPMVVS 140

Db 122 GQTKRRKNTSAHFLPMVVS 141
RESULT 13
US-09-284-100-4
; Sequence 4, Application US/09284100
; GENERAL INFORMATION:
; APPLICANT: NASHI, LINDA O.
; APPLICANT: OSBLUND, TIMOTHY D.
; TITLE OF INVENTION: KERATINOCYTE GROWTH FACTOR-2 PRODUCTS
; FILE REFERENCE: A-423C
; CURRENT APPLICATION NUMBER: US/09/284,100
; CURRENT FILING DATE: 1999-04-07
; PRIOR APPLICATION NUMBER: US 60/028,493
; PRIOR FILING DATE: 1996-10-15
; PRIOR APPLICATION NUMBER: US 60/032,781
; PRIOR FILING DATE: 1996-12-06
; PRIOR APPLICATION NUMBER: US 60/033,046
; PRIOR FILING DATE: 1996-12-10
; NUMBER OF SEQ ID NOS: 63
; SOFTWARE: Patent in Ver. 2.0
; SEQ ID NO 4
; LENGTH: 141
; TYPE: PRT
; ORGANISM: Recombinant Human
US-09-284-100-4
Query Match 100.0%; Score 748; DB 16; Length 141;
Best Local Similarity 100.0%; Pred. No. 1.2e-75;
Matches 140; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 SYNHLQGDVVRWKLFSFTKYFLKIEKNGKVSCTKENCPCYSILEITSVIGVAVKAINS 60
Db 2 SYNHLQGDVVRWKLFSFTKYFLKIEKNGKVSCTKENCPCYSILEITSVIGVAVKAINS 61
QY 61 NYLAMNKKGLYSGKEFNNDCKLKERIEENGYNNTYASFNWOHNGROMYVALNGKGPARR 120
Db 62 NYLAMNKKGLYSGKEFNNDCKLKERIEENGYNNTYASFNWOHNGROMYVALNGKGPARR 121
QY 121 GQTKRRKNTSAHFLPMVVS 140
Db 122 GQTKRRKNTSAHFLPMVVS 141
RESULT 14
US-09-284-100A-4
; Sequence 4, Application US/09284100A
; GENERAL INFORMATION:
; APPLICANT: NASHI, LINDA O.
; APPLICANT: OSBLUND, TIMOTHY D.
; TITLE OF INVENTION: KERATINOCYTE GROWTH FACTOR-2 PRODUCTS
; FILE REFERENCE: A-423C
; CURRENT APPLICATION NUMBER: US/09/284,100A
; CURRENT FILING DATE: 1999-04-07
; PRIOR APPLICATION NUMBER: US 60/028,493
; PRIOR FILING DATE: 1996-10-15
; PRIOR APPLICATION NUMBER: US 60/032,781
; PRIOR FILING DATE: 1996-12-06
; PRIOR APPLICATION NUMBER: US 60/033,046
; PRIOR FILING DATE: 1996-12-10
; NUMBER OF SEQ ID NOS: 63
; SOFTWARE: Patent in Ver. 2.0
; SEQ ID NO 4
; LENGTH: 141
; TYPE: PRT
; ORGANISM: Recombinant Human
US-09-284-100A-4
Query Match 100.0%; Score 748; DB 16; Length 141;
Best Local Similarity 100.0%; Pred. No. 1.2e-75;
Matches 140; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 SYNHLQGVWRKLFSTKYFLKIEKNGKVSCTKENCPCYSILEITSVGIVVAVKAINS 60
Db 2 SYNHLQGVWRKLFSTKYFLKIEKNGKVSCTKENCPCYSILEITSVGIVVAVKAINS 61
QY 61 NYILAMNKGKLYGSKFNNDCCKLKERIEENGYNVTYASFNNQNGRQMYVALNGKAPRR 120
Db 62 NYILAMNKGKLYGSKFNNDCCKLKERIEENGYNVTYASFNNQNGRQMYVALNGKAPRR 121
QY 121 GQTRRKNTSAHFLPMVHVS 140
Db 122 GQTRRKNTSAHFLPMVHVS 141

RESULT 15

US-09-345-373-96
; Sequence 96, Application US/09345373
; GENERAL INFORMATION:
; APPLICANT: RUBEN, STEVEN M.
; APPLICANT: JIMENEZ, PABLO
; APPLICANT: DUAN, D. ROXANNE
; APPLICANT: RAMPY, MARK A.
; APPLICANT: MENDRICK, DONNA
; APPLICANT: ZHANG, JUN
; APPLICANT: NI, JIAN
; APPLICANT: MOORE, PAUL A.
; APPLICANT: COLEMAN, TIMOTHY A.
; APPLICANT: GRUBER, JOACHIM R.
; APPLICANT: DILLON, PATRICK J.
; APPLICANT: GENTZ, REINER L.
; TITLE OF INVENTION: KERATINOCYTE GROWTH FACTOR-2
; NUMBER OF SEQUENCES: 148
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: STERNE, KESSLER, GOLDSTEIN & FOX, P.L.L.C.
; STREET: 1100 NEW YORK AVE, NW, SUITE 600
; CITY: WASHINGTON
; STATE: DC
; COUNTRY: USA
; ZIP: 20005-3934
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent in Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/345,373
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 09/023,082
; FILING DATE:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/461,195
; FILING DATE: 05-JUN-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 60/023,852
; FILING DATE: 13-AUG-1996
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 60/039,045
; FILING DATE: 28-FEB-1997
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/862,432
; FILING DATE: 23-MAY-1997
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/910,875
; FILING DATE: 13-AUG-1997
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 60/055,561
; FILING DATE: 13-AUG-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: STERNE, ERIC K.
; REGISTRATION NUMBER: 36,688
; REFERENCE/DOCKET NUMBER: 1488.0360008/EKS
; TELECOMMUNICATION INFORMATION:

; TELEPHONE: 202-371-2600
; TELEFAX: 202-371-2540
; INFORMATION FOR SEQ ID NO: 96:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 141 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: Not Relevant
; MOLECULE TYPE: protein
US-09-345-373-96
Query Match 100.0%; Score 748; DB 17; Length 141;
Best Local Similarity 100.0%; Pred. No. 1.2e-75;
Matches 140; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 SYNHLQGVWRKLFSTKYFLKIEKNGKVSCTKENCPCYSILEITSVGIVVAVKAINS 60
Db 2 SYNHLQGVWRKLFSTKYFLKIEKNGKVSCTKENCPCYSILEITSVGIVVAVKAINS 61
QY 61 NYILAMNKGKLYGSKFNNDCCKLKERIEENGYNVTYASFNNQNGRQMYVALNGKAPRR 120
Db 62 NYILAMNKGKLYGSKFNNDCCKLKERIEENGYNVTYASFNNQNGRQMYVALNGKAPRR 121
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Db 122 GQTRRKNTSAHFLPMVHVS 141
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Job time : 405 secs

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OM protein - protein search, using sw model

Run on: March 26, 2004, 04:48:52 ; Search time 98 Seconds
(without alignments)
373.803 Million cell updates/sec

Title: US-10-035-212-2_COPY_69_208

Perfect score: 748

Sequence: 1 SYNHLQGDVWRKLFSTFKY.....GQTKRKNKNSAHLFPMVHS 140

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1065169 seqs, 261661801 residues

Total number of hits satisfying chosen parameters: 1065169

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications AA.*

- 1: /cgn2_6/ptodata/2/pubpaa/US07_PUBCOMB.pep.*
- 2: /cgn2_6/ptodata/2/pubpaa/FCI_NEW_PUB.pep.*
- 3: /cgn2_6/ptodata/2/pubpaa/US06_NEW_PUB.pep.*
- 4: /cgn2_6/ptodata/2/pubpaa/US06_PUBCOMB.pep.*
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- 13: /cgn2_6/ptodata/2/pubpaa/US10A_PUBCOMB.pep.*
- 14: /cgn2_6/ptodata/2/pubpaa/US10B_PUBCOMB.pep.*
- 15: /cgn2_6/ptodata/2/pubpaa/US10C_PUBCOMB.pep.*
- 16: /cgn2_6/ptodata/2/pubpaa/US10_NEW_PUB.pep.*
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- 18: /cgn2_6/ptodata/2/pubpaa/US60_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	748	100.0	141	9	US-09-853-666-17
2	748	100.0	141	9	US-09-853-666-33
3	748	100.0	141	10	US-09-345-373-96
4	748	100.0	141	10	US-09-345-373-112
5	748	100.0	141	12	US-10-665-526-4
6	748	100.0	141	14	US-10-075-446-96
7	748	100.0	141	14	US-10-075-446-112
8	748	100.0	141	14	US-10-035-212-96
9	748	100.0	141	14	US-10-035-212-112
10	748	100.0	147	10	US-09-345-373-68
11	748	100.0	147	14	US-10-194-443-4
12	748	100.0	147	14	US-10-075-446-68
13	748	100.0	147	14	US-10-035-212-68
14	748	100.0	152	12	US-10-665-526-6
15	748	100.0	170	14	US-10-314-372-6

16	748	100.0	171	10	US-09-345-373-116	Sequence 116, App
17	748	100.0	171	14	US-10-075-446-116	Sequence 116, App
18	748	100.0	171	14	US-10-035-212-116	Sequence 116, App
19	748	100.0	174	10	US-09-345-373-43	Sequence 43, App
20	748	100.0	174	10	US-09-345-373-55	Sequence 55, App
21	748	100.0	174	10	US-09-345-373-66	Sequence 66, App
22	748	100.0	174	14	US-10-194-443-10	Sequence 10, App
23	748	100.0	174	14	US-10-194-443-12	Sequence 12, App
24	748	100.0	174	14	US-10-075-446-43	Sequence 43, App
25	748	100.0	174	14	US-10-075-446-55	Sequence 55, App
26	748	100.0	174	14	US-10-075-446-66	Sequence 66, App
27	748	100.0	174	14	US-10-035-212-43	Sequence 43, App
28	748	100.0	174	14	US-10-035-212-55	Sequence 55, App
29	748	100.0	174	14	US-10-035-212-66	Sequence 66, App
30	748	100.0	184	10	US-09-345-373-30	Sequence 30, App
31	748	100.0	184	14	US-10-075-446-30	Sequence 30, App
32	748	100.0	184	14	US-10-035-212-30	Sequence 30, App
33	748	100.0	195	14	US-10-314-372-4	Sequence 4, App
34	748	100.0	208	9	US-09-822-485-13	Sequence 13, App
35	748	100.0	208	9	US-09-853-666-2	Sequence 2, App
36	748	100.0	208	9	US-09-750-963-4	Sequence 4, App
37	748	100.0	208	9	US-09-425-021-20	Sequence 20, App
38	748	100.0	208	10	US-09-345-373-2	Sequence 2, App
39	748	100.0	208	10	US-09-345-373-20	Sequence 20, App
40	748	100.0	208	10	US-09-345-373-24	Sequence 24, App
41	748	100.0	208	10	US-09-345-373-39	Sequence 39, App
42	748	100.0	208	12	US-10-665-526-2	Sequence 2, App
43	748	100.0	208	14	US-10-081-347-30	Sequence 30, App
44	748	100.0	208	14	US-10-194-443-2	Sequence 2, App
45	748	100.0	208	14	US-10-194-443-8	Sequence 8, App

ALIGNMENTS

RESULT 1

US-09-853-666-17
; Sequence 17, Application US/09853666
; Patent No. US20020016295A1
; GENERAL INFORMATION:
; APPLICANT: Gentz, Reiner L.
; APPLICANT: Chopra, Arvind
; APPLICANT: Kaushal, Parveen
; APPLICANT: Spitznagel, Thomas
; APPLICANT: Unsworth, Edward
; APPLICANT: Khan, Fazal
; TITLE OF INVENTION: Keratinocyte Growth Factor-2 Formulations
; FILE REFERENCE: 1488.1030001
; CURRENT APPLICATION NUMBER: US/09/853,666
; CURRENT FILING DATE: 2001-05-14
; PRIOR APPLICATION NUMBER: 09/218,444
; PRIOR FILING DATE: 1998-12-22
; NUMBER OF SEQ ID NOS: 33
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 17
; LENGTH: 141
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-853-666-17

Query Match	100.0%	Score 748;	DB 9;	Length 141;
Best Local Similarity	100.0%	Pred. No. 1.7e-76;		
Matches 140;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;
QY	1	SYNHLQGDVWRKLFSTFKYFLKIEKNGKVSCTKKENCPYSILEITTSVEIGVAVKAINS	60	
Db	2	SYNHLQGDVWRKLFSTFKYFLKIEKNGKVSCTKKENCPYSILEITTSVEIGVAVKAINS	61	
QY	61	NYILANMKKGLYSGKEFNNDCKLXERIEENGYNFYASFNQHGROMYVALNGKAPRR	120	
Db	62	NYILANMKKGLYSGKEFNNDCKLXERIEENGYNFYASFNQHGROMYVALNGKAPRR	121	
QY	121	GQTKRKNKNSAHLFPMVHS	140	

Db 122 GQTRRKNTSAHFLPMVHVS 141

RESULT 2

US-09-853-666-33
; Sequence 33, Application US/09853666
; Patent No. US20020016295A1
; GENERAL INFORMATION:
; APPLICANT: Gentz, Reiner L.
; APPLICANT: Chopra, Arvind
; APPLICANT: Kaushal, Parveen
; APPLICANT: Spitznagel, Thomas
; APPLICANT: Unsworth, Edward
; APPLICANT: Khan, Fazal
; TITLE OF INVENTION: Keratinocyte Growth Factor-2 Formulations
; FILE REFERENCE: 1488.1030001
; CURRENT APPLICATION NUMBER: US/09/853,666
; CURRENT FILING DATE: 2001-05-14
; PRIOR APPLICATION NUMBER: 09/218,444
; PRIOR FILING DATE: 1998-12-22
; NUMBER OF SEQ ID NOS: 33
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 33
; LENGTH: 141
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-853-666-33

Query Match 100.0%; Score 748; DB 9; Length 141;
Best Local Similarity 100.0%; Pred. No. 1.7e-76;
Matches 140; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 SYNHLQGDVWRKLFSTTKYFLKIEKNGKVSCTKENCPCYSILEITSVELGVVAVKAINS 60
Db 2 SYNHLQGDVWRKLFSTTKYFLKIEKNGKVSCTKENCPCYSILEITSVELGVVAVKAINS 61

Qy 61 NYILAMNKGKLYGSKFNNDCKLKERIEENGNYTVASFNNQNGRMVYVALNGKGAPRR 120
Db 62 NYILAMNKGKLYGSKFNNDCKLKERIEENGNYTVASFNNQNGRMVYVALNGKGAPRR 121

Qy 121 GQTRRKNTSAHFLPMVHVS 140
Db 122 GQTRRKNTSAHFLPMVHVS 141

RESULT 3

US-09-345-373-96
; Sequence 96, Application US/09345373
; Publication No. US20030077695A1
; GENERAL INFORMATION:
; APPLICANT: RUBEN, STEVEN M.
; APPLICANT: JIMENEZ, PABLO
; APPLICANT: DUAN, D. ROXANNE
; APPLICANT: RAMPY, MARK A.
; APPLICANT: MENDRICK, DONNA
; APPLICANT: ZHANG, JUN
; APPLICANT: NI, JIAN
; APPLICANT: MOORE, PAUL A.
; APPLICANT: COLEMAN, TIMOTHY A.
; APPLICANT: GRUBER, JOACHIM R.
; APPLICANT: DILLON, PATRICK J.
; APPLICANT: GENTZ, REINER L.
; TITLE OF INVENTION: KERATINOCYTE GROWTH FACTOR-2
; NUMBER OF SEQUENCES: 148
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: STERNER, KESSLER, GOLDSTEIN & FOX, P. L.L.C.
; STREET: 1100 NEW YORK AVE, NW, SUITE 600
; CITY: WASHINGTON
; STATE: DC
; COUNTRY: USA
; ZIP: 20005-3934
; COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/345,373
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 09/023,082
FILING DATE:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/461,195
FILING DATE: 05-JUN-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 60/023,852
FILING DATE: 13-AUG-1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 60/039,045
FILING DATE: 28-FEB-1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/862,432
FILING DATE: 23-MAY-1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/910,875
FILING DATE: 13-AUG-1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 60/055,561
FILING DATE: 13-AUG-1997
ATTORNEY/AGENT INFORMATION:
NAME: STEFFFE, ERIC K.
REGISTRATION NUMBER: 36,688
REFERENCE/DOCKET NUMBER: 1488.0360008/EKS
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-371-2600
TELEFAX: 202-371-2540
INFORMATION FOR SEQ ID NO: 96:
SEQUENCE CHARACTERISTICS:
LENGTH: 141 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: No. US20030077695A1 Relevant
MOLECULE TYPE: protein
US-09-345-373-96

Query Match 100.0%; Score 748; DB 10; Length 141;
Best Local Similarity 100.0%; Pred. No. 1.7e-76;
Matches 140; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 SYNHLQGDVWRKLFSTTKYFLKIEKNGKVSCTKENCPCYSILEITSVELGVVAVKAINS 60
Db 2 SYNHLQGDVWRKLFSTTKYFLKIEKNGKVSCTKENCPCYSILEITSVELGVVAVKAINS 61

Qy 61 NYILAMNKGKLYGSKFNNDCKLKERIEENGNYTVASFNNQNGRMVYVALNGKGAPRR 120
Db 62 NYILAMNKGKLYGSKFNNDCKLKERIEENGNYTVASFNNQNGRMVYVALNGKGAPRR 121

Qy 121 GQTRRKNTSAHFLPMVHVS 140
Db 122 GQTRRKNTSAHFLPMVHVS 141

RESULT 4

US-09-345-373-112
; Sequence 112, Application US/09345373
; Publication No. US20030077695A1
; GENERAL INFORMATION:
; APPLICANT: RUBEN, STEVEN M.
; APPLICANT: JIMENEZ, PABLO
; APPLICANT: DUAN, D. ROXANNE
; APPLICANT: RAMPY, MARK A.
; APPLICANT: MENDRICK, DONNA
; APPLICANT: ZHANG, JUN

APPLICANT: NI, JIAN
APPLICANT: MOORE, PAUL A.
APPLICANT: COLEMAN, TIMOTHY A.
APPLICANT: GRUBER, JOACHIM R.
APPLICANT: DILLON, PATRICK J.
APPLICANT: GENTZ, REINER L.
TITLE OF INVENTION: KERATINOCYTE GROWTH FACTOR-2
NUMBER OF SEQUENCES: 148
CORRESPONDENCE ADDRESS:
ADDRESSEE: STERNE, KESSLER, GOLDSTEIN & FOX, P.L.L.C.
STREET: 1100 NEW YORK AVE, NW, SUITE 600
CITY: WASHINGTON
STATE: DC
COUNTRY: USA
ZIP: 20005-3934
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/345,373
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 09/023,082
FILING DATE:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/461,195
FILING DATE: 05-JUN-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 60/023,852
FILING DATE: 13-AUG-1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 60/039,045
FILING DATE: 28-FEB-1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/862,432
FILING DATE: 23-MAY-1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/910,875
FILING DATE: 13-AUG-1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 60/055,561
FILING DATE: 13-AUG-1997
ATTORNEY/AGENT INFORMATION:
NAME: STEFFEE, ERIC K.
REGISTRATION NUMBER: 36,688
REFERENCE/DOCKET NUMBER: 1488.0360008/EKS
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-371-2600
TELEFAX: 202-371-2540
INFORMATION FOR SEQ ID NO: 112:
SEQUENCE CHARACTERISTICS:
LENGTH: 141 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: No. US20030077695A1 Relevant
MOLECULE TYPE: protein
US-09-345-373-112

Query Match 100.0%; Score 748; DB 10; Length 141;
Best Local Similarity 100.0%; Pred. No. 1.7e-76;
Matches 140; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 SYNHLQGVWRKLFSTFKYFLKIEKNGKVGSTKKEKNCPSYLEITSVIGVAVKAINS 60
DB 2 SYNHLQGVWRKLFSTFKYFLKIEKNGKVGSTKKEKNCPSYLEITSVIGVAVKAINS 61
61 NYILAMNKKGLYGSKEFNNDCKLKERIEBNGYNTYASFNWHNGRQMYVALNGKAPRR 120
62 NYILAMNKKGLYGSKEFNNDCKLKERIEBNGYNTYASFNWHNGRQMYVALNGKAPRR 121

QY 121 GQKTRKNTSAHFLPMVHVS 140
DB 122 GQKTRKNTSAHFLPMVHVS 141
RESULT 5
US-10-665-526-4
; Sequence 4, Application US/10665526
; Publication No. US2004004324A1
; GENERAL INFORMATION:
; APPLICANT: Narni, Linda O.
; APPLICANT: Oslund, Timothy D.
; TITLE OF INVENTION: Keratinocyte Growth Factor-2 Products
; FILE REFERENCE: 02-274-A
; CURRENT APPLICATION NUMBER: US/10/665,526
; CURRENT FILING DATE: 2003-09-19
; PRIOR APPLICATION NUMBER: 09/284,100
; PRIOR FILING DATE: 1999-04-07
; PRIOR APPLICATION NUMBER: PCT US/97/18607
; PRIOR FILING DATE: 1997-10-15
; PRIOR APPLICATION NUMBER: US 60/033,046
; PRIOR FILING DATE: 1996-12-10
; PRIOR APPLICATION NUMBER: US 60/032,781
; PRIOR FILING DATE: 1996-12-06
; PRIOR APPLICATION NUMBER: US 60/028,493
; PRIOR FILING DATE: 1996-10-15
; NUMBER OF SEQ ID NOS: 63
; SOFTWARE: Patent In Ver. 2.0
; SEQ ID NO 4
; LENGTH: 141
; TYPE: PRT
; ORGANISM: Recombinant Human
US-10-665-526-4

Query Match 100.0%; Score 748; DB 12; Length 141;
Best Local Similarity 100.0%; Pred. No. 1.7e-76;
Matches 140; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 SYNHLQGVWRKLFSTFKYFLKIEKNGKVGSTKKEKNCPSYLEITSVIGVAVKAINS 60
DB 2 SYNHLQGVWRKLFSTFKYFLKIEKNGKVGSTKKEKNCPSYLEITSVIGVAVKAINS 61
QY 61 NYILAMNKKGLYGSKEFNNDCKLKERIEBNGYNTYASFNWHNGRQMYVALNGKAPRR 120
DB 62 NYILAMNKKGLYGSKEFNNDCKLKERIEBNGYNTYASFNWHNGRQMYVALNGKAPRR 121
QY 121 GQKTRKNTSAHFLPMVHVS 140
DB 122 GQKTRKNTSAHFLPMVHVS 141

RESULT 6
US-10-075-446-96
; Sequence 96, Application US/10075446
; Publication No. US20030129687A1
; GENERAL INFORMATION:
; APPLICANT: RUBEN, STEVEN M.
; JIMENEZ, PABLO
; DUAN, D. ROXANNE
; RAMPY, MARK A.
; MENDRICK, DONNA
; ZHANG, JUN
; NI, JIAN
; MOORE, PAUL A.
; COLEMAN, TIMOTHY A.
; GRUBER, JOACHIM R.
TITLE OF INVENTION: KERATINOCYTE GROWTH FACTOR-2
NUMBER OF SEQUENCES: 148
CORRESPONDENCE ADDRESS:
ADDRESSES: STERNE, KESSLER, GOLDSTEIN & FOX, P.L.L.C.
STREET: 1100 NEW YORK AVE, NW, SUITE 600
CITY: WASHINGTON
STATE: DC

COUNTRY: USA
ZIP: 20005-3934
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent in Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/075,446
FILING DATE: 15-Feb-2002
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 09/023,082
FILING DATE: <Unknown>
APPLICATION NUMBER: PCT/US95/01790
FILING DATE: 14-FEB-1995
APPLICATION NUMBER: US 08/461,195
FILING DATE: 05-JUN-1995
APPLICATION NUMBER: US 60/023,852
FILING DATE: 13-AUG-1996
APPLICATION NUMBER: US 60/039,045
FILING DATE: 28-FEB-1997
APPLICATION NUMBER: US 08/862,432
FILING DATE: 23-MAY-1997
APPLICATION NUMBER: US 08/910,875
FILING DATE: 13-AUG-1997
APPLICATION NUMBER: US 60/055,561
FILING DATE: 13-AUG-1997

ATTORNEY/AGENT INFORMATION:
NAME: STEFFEE, ERIC K.
REGISTRATION NUMBER: 36,688
REFERENCE/DOCKET NUMBER: 1488.0360008/EKS
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-371-2600
TELEFAX: 202-371-2540
INFORMATION FOR SEQ ID NO: 96:
SEQUENCE CHARACTERISTICS:
LENGTH: 141 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: No. US20030129687A1 Relevant
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 96:

US-10-075-446-96
Query Match 100.0%; Score 748; DB 14; Length 141;
Best Local Similarity 100.0%; Pred. No. 1.7e-76;
Matches 140; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 SYNHLQGDVWRKLFSTKYFLKIEKNGKVSQTKKENCPSYLEITSVGIVAVKAINS 60
DB 2 SYNHLQGDVWRKLFSTKYFLKIEKNGKVSQTKKENCPSYLEITSVGIVAVKAINS 61
QY 61 NYLLAMNKKGLYGSKEFNNDCKLERIEENGYNNTYASFNWHNGRQMYVALNGKGAPRR 120
DB 62 NYLLAMNKKGLYGSKEFNNDCKLERIEENGYNNTYASFNWHNGRQMYVALNGKGAPRR 121
QY 121 GQTRRKNTSAHFLPMVVS 140
DB 122 GQTRRKNTSAHFLPMVVS 141

RESULT 7
US-10-075-446-112
Sequence 112, Application US/10075446
Publication No. US20030129687A1
GENERAL INFORMATION:
APPLICANT: RUBEN, STEVEN M.
JIMENEZ, PABLO
DUAN, D. ROXANNE
RAMEY, MARK A.
MENDRICK, DONNA
ZHANG, JUN

NI, JIAN
MOORE, PAUL A.
COLEMAN, TIMOTHY A.
GRUBER, JOACHIM R.
TITLE OF INVENTION: KERATINOCYTE GROWTH FACTOR-2
NUMBER OF SEQUENCES: 148
CORRESPONDENCE ADDRESS:
ADDRESSEE: STERNE, KESSLER, GOLDSTEIN & FOX, P.L.L.C.
STREET: 1100 NEW YORK AVE, NW, SUITE 600
CITY: WASHINGTON
STATE: DC
COUNTRY: USA
ZIP: 20005-3934
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent in Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/075,446
FILING DATE: 15-Feb-2002
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 09/023,082
FILING DATE: <Unknown>
APPLICATION NUMBER: PCT/US95/01790
FILING DATE: 14-FEB-1995
APPLICATION NUMBER: US 08/461,195
FILING DATE: 05-JUN-1995
APPLICATION NUMBER: US 60/023,852
FILING DATE: 13-AUG-1996
APPLICATION NUMBER: US 60/039,045
FILING DATE: 28-FEB-1997
APPLICATION NUMBER: US 08/862,432
FILING DATE: 23-MAY-1997
APPLICATION NUMBER: US 08/910,875
FILING DATE: 13-AUG-1997
APPLICATION NUMBER: US 60/055,561
FILING DATE: 13-AUG-1997

ATTORNEY/AGENT INFORMATION:
NAME: STEFFEE, ERIC K.
REGISTRATION NUMBER: 36,688
REFERENCE/DOCKET NUMBER: 1488.0360008/EKS
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-371-2600
TELEFAX: 202-371-2540
INFORMATION FOR SEQ ID NO: 112:
SEQUENCE CHARACTERISTICS:
LENGTH: 141 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: No. US20030129687A1 Relevant
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 112:

US-10-075-446-112
Query Match 100.0%; Score 748; DB 14; Length 141;
Best Local Similarity 100.0%; Pred. No. 1.7e-76;
Matches 140; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 SYNHLQGDVWRKLFSTKYFLKIEKNGKVSQTKKENCPSYLEITSVGIVAVKAINS 60
DB 2 SYNHLQGDVWRKLFSTKYFLKIEKNGKVSQTKKENCPSYLEITSVGIVAVKAINS 61
QY 61 NYLLAMNKKGLYGSKEFNNDCKLERIEENGYNNTYASFNWHNGRQMYVALNGKGAPRR 120
DB 62 NYLLAMNKKGLYGSKEFNNDCKLERIEENGYNNTYASFNWHNGRQMYVALNGKGAPRR 121
QY 121 GQTRRKNTSAHFLPMVVS 140
DB 122 GQTRRKNTSAHFLPMVVS 141

```
RESULT 8
US-10-035-212-96
; Sequence 96, Application US/10035212
; Publication No. US20030186904A1
; GENERAL INFORMATION:
; APPLICANT: Ruben, Steven M.
; APPLICANT: Jimenez, Pablo
; APPLICANT: Duan, D. Roxanne
; APPLICANT: Rampy, Mark A.
; APPLICANT: Mendrick, Donna
; APPLICANT: Zhang, Jun
; APPLICANT: Ni, Jian
; APPLICANT: Moore, Paul A.
; APPLICANT: Coleman, Timothy A.
; APPLICANT: Gruber, Joachim R.
; APPLICANT: Dillon, Patrick J.
; APPLICANT: Gentz, Reiner L.
; TITLE OF INVENTION: Keratinocyte Growth Factor-2
; FILE REFERENCE: 1488.0360000
; CURRENT APPLICATION NUMBER: US/10/035,212
; CURRENT FILING DATE: 2002-01-04
; PRIOR APPLICATION NUMBER: 60/259,853
; PRIOR FILING DATE: 2001-01-05
; PRIOR APPLICATION NUMBER: 60/286,368
; PRIOR FILING DATE: 2001-04-26
; PRIOR APPLICATION NUMBER: 60/331,168
; PRIOR FILING DATE: 2001-11-09
; NUMBER OF SEQ ID NOS: 176
; SOFTWARE: Patent in Ver. 2.1
; SEQ ID NO 96
; LENGTH: 141
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-035-212-96

Query Match      100.0%; Score 748; DB 14; Length 141;
Best Local Similarity 100.0%; Pred. No. 1.7e-76;
Matches 140; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 SYNHLQGVVRWKLFSFTKFLKIEKNGKVSQTKKENCPSYLSILEITSVIGVAVKAINS 60
DB 2 SYNHLQGVVRWKLFSFTKFLKIEKNGKVSQTKKENCPSYLSILEITSVIGVAVKAINS 61
QY 61 NYLAMNKKGLYGSKEFNNDCKLERIEBNGYNTYASFNQHNGRQMYVALNGKAPRR 120
DB 62 NYLAMNKKGLYGSKEFNNDCKLERIEBNGYNTYASFNQHNGRQMYVALNGKAPRR 121
QY 121 GQTKRRKNTSAHFLPMVVS 140
DB 122 GQTKRRKNTSAHFLPMVVS 141

RESULT 10
US-09-345-373-68
; Sequence 68, Application US/09345373
; Publication No. US20030077695A1
; GENERAL INFORMATION:
; APPLICANT: RUBEN, STEVEN M.
; APPLICANT: JIMENEZ, PABLO
; APPLICANT: DUAN, D. ROXANNE
; APPLICANT: RAMPY, MARK A.
; APPLICANT: MENDRICK, DONNA
; APPLICANT: ZHANG, JUN
; APPLICANT: NI, JIAN
; APPLICANT: MOORE, PAUL A.
; APPLICANT: COLEMAN, TIMOTHY A.
; APPLICANT: GRUBER, JOACHIM R.
; APPLICANT: DILLON, PATRICK J.
; APPLICANT: GENTZ, REINER L.
; TITLE OF INVENTION: KERATINOCYTE GROWTH FACTOR-2
; NUMBER OF SEQUENCES: 148
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: STERNE, KESSLER, GOLDSTEIN & FOX, P.L.L.C.
; STREET: 1100 NEW YORK AVE, NW, SUITE 600
; CITY: WASHINGTON
; STATE: DC
; COUNTRY: USA
; ZIP: 20005-3934
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent in Release #1.0, Version #1.30
; CURRENT APPLICATION DATA: US/09/345,373
; APPLICATION NUMBER: 09/023,082
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 09/023,082
; FILING DATE:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/461,195
; FILING DATE: 05-JUN-1995
; PRIOR APPLICATION DATA:

Query Match      100.0%; Score 748; DB 14; Length 141;
Best Local Similarity 100.0%; Pred. No. 1.7e-76;
Matches 140; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 SYNHLQGVVRWKLFSFTKFLKIEKNGKVSQTKKENCPSYLSILEITSVIGVAVKAINS 60
DB 2 SYNHLQGVVRWKLFSFTKFLKIEKNGKVSQTKKENCPSYLSILEITSVIGVAVKAINS 61
QY 61 NYLAMNKKGLYGSKEFNNDCKLERIEBNGYNTYASFNQHNGRQMYVALNGKAPRR 120
DB 62 NYLAMNKKGLYGSKEFNNDCKLERIEBNGYNTYASFNQHNGRQMYVALNGKAPRR 121
QY 121 GQTKRRKNTSAHFLPMVVS 140
DB 122 GQTKRRKNTSAHFLPMVVS 141

RESULT 9
US-10-035-212-112
; Sequence 112, Application US/10035212
; Publication No. US20030186904A1
; GENERAL INFORMATION:
; APPLICANT: Ruben, Steven M.
; APPLICANT: Jimenez, Pablo
; APPLICANT: Duan, D. Roxanne
; APPLICANT: Rampy, Mark A.
; APPLICANT: Mendrick, Donna
; APPLICANT: Zhang, Jun
; APPLICANT: Ni, Jian
; APPLICANT: Moore, Paul A.
; APPLICANT: Coleman, Timothy A.
; APPLICANT: Gruber, Joachim R.
; APPLICANT: Dillon, Patrick J.
; APPLICANT: Gentz, Reiner L.
; TITLE OF INVENTION: Keratinocyte Growth Factor-2
; FILE REFERENCE: 1488.0360000
; CURRENT APPLICATION NUMBER: US/10/035,212
; CURRENT FILING DATE: 2002-01-04
```

Query Match 100.0%; Score 748; DB 14; Length 147;
Best Local Similarity 100.0%; Pred. No. 1.8e-76;
Matches 140; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 68:
US-10-075-446-68

Query Match 100.0%; Score 748; DB 14; Length 147;
Best Local Similarity 100.0%; Pred. No. 1.8e-76;
Matches 140; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 SYNHLQDVRWRKLFSTKTKFLKIEKNGKVGTKKENCPSYILEITSVIGVAVKAINS 60

DB 8 SYNHLQDVRWRKLFSTKTKFLKIEKNGKVGTKKENCPSYILEITSVIGVAVKAINS 67

QY 61 NYILAMNKKGLYSGKEFNNDCKLKERIEENGNTYVASFNQHNGRMVVALNGKAPRR 120

DB 68 NYILAMNKKGLYSGKEFNNDCKLKERIEENGNTYVASFNQHNGRMVVALNGKAPRR 127

QY 121 GQKTRRKNNTSAHFLPMVVS 140

DB 128 GQKTRRKNNTSAHFLPMVVS 147

RESULT 13

US-10-035-212-68

; Sequence 68, Application US/10035212

; Publication No. US20030186904A1

; GENERAL INFORMATION:

; APPLICANT: Ruben, Steven M.

; APPLICANT: Jimenez, Pablo

; APPLICANT: Duan, D. Roxanne

; APPLICANT: Rampy, Mark A.

; APPLICANT: Mendrick, Donna

; APPLICANT: Zhang, Jun

; APPLICANT: Ni, Jian

; APPLICANT: Moore, Paul A.

; APPLICANT: Coleman, Timothy A.

; APPLICANT: Gruber, Joachim R.

; APPLICANT: Dillon, Patrick J.

; APPLICANT: Gentz, Reiner L.

; TITLE OF INVENTION: Keratinocyte Growth Factor-2

; FILE REFERENCE: 1488.0360000

; CURRENT APPLICATION NUMBER: US/10/035,212

; CURRENT FILING DATE: 2002-01-04

; PRIOR APPLICATION NUMBER: 60/259,853

; PRIOR FILING DATE: 2001-01-05

; PRIOR APPLICATION NUMBER: 60/286,368

; PRIOR FILING DATE: 2001-04-26

; PRIOR APPLICATION NUMBER: 60/331,168

; PRIOR FILING DATE: 2001-11-09

; NUMBER OF SEQ ID NOS: 176

; SOFTWARE: Patent in Ver. 2.1

; SEQ ID NO 68

; LENGTH: 147

; TYPE: PRT

; ORGANISM: Homo sapiens

US-10-035-212-68

Query Match 100.0%; Score 748; DB 14; Length 147;
Best Local Similarity 100.0%; Pred. No. 1.8e-76;
Matches 140; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 SYNHLQDVRWRKLFSTKTKFLKIEKNGKVGTKKENCPSYILEITSVIGVAVKAINS 60

DB 8 SYNHLQDVRWRKLFSTKTKFLKIEKNGKVGTKKENCPSYILEITSVIGVAVKAINS 67

QY 61 NYILAMNKKGLYSGKEFNNDCKLKERIEENGNTYVASFNQHNGRMVVALNGKAPRR 120

DB 68 NYILAMNKKGLYSGKEFNNDCKLKERIEENGNTYVASFNQHNGRMVVALNGKAPRR 127

121 GQKTRRKNNTSAHFLPMVVS 140

128 GQKTRRKNNTSAHFLPMVVS 147

RESULT 14

US-10-665-526-6

; Sequence 6, Application US/10665526

; Publication No. US20040043924A1

; GENERAL INFORMATION:

; APPLICANT: Narni, Linda O.

; APPLICANT: Oslund, Timothy D.

; TITLE OF INVENTION: Keratinocyte Growth Factor-2 Products

; FILE REFERENCE: 02-274-A

; CURRENT APPLICATION NUMBER: US/10/665,526

; CURRENT FILING DATE: 2003-09-19

; PRIOR APPLICATION NUMBER: 09/284,100

; PRIOR FILING DATE: 1999-04-07

; PRIOR APPLICATION NUMBER: PCT US/97/18607

; PRIOR FILING DATE: 1997-10-15

; PRIOR APPLICATION NUMBER: US 60/033,046

; PRIOR FILING DATE: 1996-12-10

; PRIOR APPLICATION NUMBER: US 60/032,781

; PRIOR FILING DATE: 1996-12-06

; PRIOR APPLICATION NUMBER: US 60/028,493

; PRIOR FILING DATE: 1996-10-15

; NUMBER OF SEQ ID NOS: 63

; SOFTWARE: Patent in Ver. 2.0

; SEQ ID NO 6

; LENGTH: 152

; TYPE: PRT

; ORGANISM: Recombinant Human

US-10-665-526-6

Query Match 100.0%; Score 748; DB 12; Length 152;
Best Local Similarity 100.0%; Pred. No. 1.8e-76;
Matches 140; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 SYNHLQDVRWRKLFSTKTKFLKIEKNGKVGTKKENCPSYILEITSVIGVAVKAINS 60

DB 13 SYNHLQDVRWRKLFSTKTKFLKIEKNGKVGTKKENCPSYILEITSVIGVAVKAINS 72

QY 61 NYILAMNKKGLYSGKEFNNDCKLKERIEENGNTYVASFNQHNGRMVVALNGKAPRR 120

DB 73 NYILAMNKKGLYSGKEFNNDCKLKERIEENGNTYVASFNQHNGRMVVALNGKAPRR 132

QY 121 GQKTRRKNNTSAHFLPMVVS 140

DB 133 GQKTRRKNNTSAHFLPMVVS 152

RESULT 15

US-10-314-372-6

; Sequence 6, Application US/10314372

; Publication No. US20030144202A1

; GENERAL INFORMATION:

; APPLICANT: Lacey, David L.

; APPLICANT: Ulrich, Thomas R.

; APPLICANT: Danilenko, Dmitry M.

; APPLICANT: Farrell, Catherine L.

; TITLE OF INVENTION: USES OF KERATINOCYTE GROWTH FACTOR-2

; FILE REFERENCE: A-422C

; CURRENT APPLICATION NUMBER: US/10/314,372

; CURRENT FILING DATE: 2002-12-05

; PRIOR APPLICATION NUMBER: US/09/284,101

; PRIOR FILING DATE: 1997-10-15

; PRIOR APPLICATION NUMBER: 60/028,495

; PRIOR FILING DATE: 1996-10-15

; PRIOR APPLICATION NUMBER: 60/032,253

; PRIOR FILING DATE: 1996-12-06

; PRIOR APPLICATION NUMBER: 60/033,457

; PRIOR FILING DATE: 1996-12-10

; NUMBER OF SEQ ID NOS: 16

; SOFTWARE: Patent in Ver. 2.0

; SEQ ID NO 6

; LENGTH: 170

; TYPE: PRT

ORGANISM: Recombinant Human
US-10-314-372-6

Query Match	100.0%	Score 748	DB 14	Length 170
Best Local Similarity	100.0%	Pred. No. 2.1e-76		
Matches 140	Conservative 0	Mismatches 0	Indels 0	Gaps 0

QY	1	SYNHLQGDVVRWKLFSPFTKYFLKIEKNGKVSQTKKENCPCYSILEITSVEIGVAVKAINS	60
DB	31	SYNHLQGDVVRWKLFSPFTKYFLKIEKNGKVSQTKKENCPCYSILEITSVEIGVAVKAINS	90
QY	61	NYILAMNKKGLYGSKEFNNDCKLERIEENGYNITYASFNWQHNGROMYVALNGKGAPRR	120
DB	91	NYILAMNKKGLYGSKEFNNDCKLERIEENGYNITYASFNWQHNGROMYVALNGKGAPRR	150
QY	121	GQTRRKNTSAHFLPMVVS	140
DB	151	GQTRRKNTSAHFLPMVVS	170

Search completed: March 26, 2004, 05:00:02
Job time : 100 secs

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: March 26, 2004, 04:38:57 ; Search time 33 Seconds
(without alignments)
219.019 Million cell updates/sec

Title: US-10-035-212-2_COPY_69_208
Perfect score: 748
Sequence: 1 SYNHLQGVWRKLFSTKY.....GQTRKNTSAHFLPMVHS 140

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 389414

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued_Patents_AA:*
1: /cgn2_6/ptodata/2/iaa/5A_COMB.pep.*
2: /cgn2_6/ptodata/2/iaa/5B_COMB.pep.*
3: /cgn2_6/ptodata/2/iaa/6A_COMB.pep.*
4: /cgn2_6/ptodata/2/iaa/6B_COMB.pep.*
5: /cgn2_6/ptodata/2/iaa/PTUS_COMB.pep.*
6: /cgn2_6/ptodata/2/iaa/backfiles1.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	748	100.0	141	3	US-09-023-082A-96
2	748	100.0	141	3	US-09-023-082A-112
3	748	100.0	141	3	US-09-218-444-17
4	748	100.0	141	3	US-09-218-444-33
5	748	100.0	141	4	US-09-248-998-96
6	748	100.0	141	4	US-09-853-666-17
7	748	100.0	141	4	US-09-853-666-17
8	748	100.0	141	4	US-09-853-666-33
9	748	100.0	147	3	US-09-023-082A-68
10	748	100.0	147	3	US-09-248-998-68
11	748	100.0	171	3	US-09-023-082A-116
12	748	100.0	171	4	US-09-248-998-116
13	748	100.0	174	3	US-09-023-082A-43
14	748	100.0	174	3	US-09-023-082A-55
15	748	100.0	174	3	US-09-023-082A-66
16	748	100.0	174	4	US-09-248-998-43
17	748	100.0	174	4	US-09-248-998-55
18	748	100.0	174	4	US-09-248-998-66
19	748	100.0	184	3	US-09-023-082A-30
20	748	100.0	184	4	US-09-248-998-30
21	748	100.0	208	1	US-08-462-169B-20
22	748	100.0	208	2	US-08-951-822-30
23	748	100.0	208	3	US-09-103-079-20
24	748	100.0	208	3	US-09-023-082A-2
25	748	100.0	208	3	US-09-023-082A-20
26	748	100.0	208	3	US-09-023-082A-24
27	748	100.0	208	3	US-09-023-082A-39

28	748	100.0	208	3	US-09-218-444-2	Sequence 2, Appli
29	748	100.0	208	4	US-09-368-951-30	Sequence 30, Appl
30	748	100.0	208	4	US-09-425-021-20	Sequence 20, Appl
31	748	100.0	208	4	US-09-229-947-30	Sequence 30, Appl
32	748	100.0	208	4	US-09-564-829-14	Sequence 14, Appl
33	748	100.0	208	4	US-09-248-998-2	Sequence 2, Appli
34	748	100.0	208	4	US-09-248-998-20	Sequence 20, Appl
35	748	100.0	208	4	US-09-248-998-24	Sequence 24, Appl
36	748	100.0	208	4	US-09-248-998-39	Sequence 39, Appl
37	748	100.0	208	4	US-09-853-666-2	Sequence 2, Appli
38	744	99.5	141	3	US-09-023-082A-124	Sequence 124, App
39	744	99.5	141	3	US-09-023-082A-128	Sequence 128, App
40	744	99.5	141	3	US-09-023-082A-132	Sequence 132, App
41	744	99.5	141	3	US-09-023-082A-140	Sequence 140, App
42	744	99.5	141	3	US-09-023-082A-146	Sequence 146, App
43	744	99.5	141	4	US-09-248-998-124	Sequence 124, App
44	744	99.5	141	4	US-09-248-998-128	Sequence 128, App
45	744	99.5	141	4	US-09-248-998-132	Sequence 132, App

ALIGNMENTS

RESULT 1
US-09-023-082A-96
; Sequence 96, Application US/09023082A
; Patent No. 6077692
; GENERAL INFORMATION:
; APPLICANT: RUBEN, STEVEN M.
; APPLICANT: JIMENEZ, PABLO
; APPLICANT: DUAN, D. ROXANNE
; APPLICANT: RAMPY, MARK A.
; APPLICANT: MENDRICK, DONNA
; APPLICANT: ZHANG, JUN
; APPLICANT: NI, JIAN
; APPLICANT: MOORE, PAUL A.
; APPLICANT: COLEMAN, TIMOTHY A.
; APPLICANT: GRUBER, JOACHIM R.
; APPLICANT: DILLON, PATRICK J.
; APPLICANT: GENTZ, REINER L.
; TITLE OF INVENTION: KERATINOCYTE GROWTH FACTOR-2
; NUMBER OF SEQUENCES: 148
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: STERNE, KESSLER, GOLDSTEIN & FOX, P.L.L.C.
; STREET: 1100 NEW YORK AVE, NW, SUITE 600
; CITY: WASHINGTON
; STATE: DC
; COUNTRY: USA
; ZIP: 20005-3934
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/023,082A
; FILING DATE: 13-FEB-1998
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/US95/01790
; FILING DATE: 14-FEB-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/461,195
; FILING DATE: 05-JUN-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 60/023,852
; FILING DATE: 13-AUG-1996
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 60/039,045
; FILING DATE: 28-FEB-1997
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/862,432
; FILING DATE: 23-MAY-1997

PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/910,875
FILING DATE: 13-AUG-1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 60/055,561
FILING DATE: 13-AUG-1997
ATTORNEY/AGENT INFORMATION:
NAME: STEFFFE, ERIC K.
REGISTRATION NUMBER: 36,688
REFERENCE/DOCKET NUMBER: 1488.0360008/EKS
TELEPHONE: 202-371-2600
TELEFAX: 202-371-2540
INFORMATION FOR SEQ ID NO: 96:
SEQUENCE CHARACTERISTICS:
LENGTH: 141 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: not relevant
MOLECULE TYPE: protein
US-09-023-082A-96

Query Match 100.0%; Score 748; DB 3; Length 141;
Best Local Similarity 100.0%; Pred. No. 4.4e-79;
Matches 140; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 SYNHLQGDVVRWKLFSTFKYFLKIEKNGKVSCTKENCPSYLSLEITSVEIGWAVKAINS 60
DB 2 SYNHLQGDVVRWKLFSTFKYFLKIEKNGKVSCTKENCPSYLSLEITSVEIGWAVKAINS 61
QY 61 NYILAMNKKGLYSGKEFNNDCKLKERIEENGYNITYASFNNQHNQGRQMYVALNGKGAPRR 120
DB 62 NYILAMNKKGLYSGKEFNNDCKLKERIEENGYNITYASFNNQHNQGRQMYVALNGKGAPRR 121
QY 121 GQTKRKNNTSAHFLPMVHVS 140
DB 122 GQTKRKNNTSAHFLPMVHVS 141

RESULT 2
US-09-023-082A-112
Sequence 112, Application US/09023082A
Patent No. 607692
GENERAL INFORMATION:
APPLICANT: RUBEN, STEVEN M.
APPLICANT: JIMENEZ, PABLO
APPLICANT: DUAN, D. ROXANNE
APPLICANT: RAMPY, MARK A.
APPLICANT: MENDRICK, DONNA
APPLICANT: ZHANG, JUN
APPLICANT: NI, JIAN
APPLICANT: MOORE, PAUL A.
APPLICANT: COLEMAN, TIMOTHY A.
APPLICANT: GRUBER, JOACHIM R.
APPLICANT: DILLON, PATRICK J.
APPLICANT: GENTZ, REINER L.
TITLE OF INVENTION: KERATINOCYTE GROWTH FACTOR-2
NUMBER OF SEQUENCES: 148
CORRESPONDENCE ADDRESS:
ADDRESSEE: STERNE, KESSLER, GOLDSTEIN & FOX, P.L.L.C.
STREET: 1100 NEW YORK AVE, NW, SUITE 600
CITY: WASHINGTON
STATE: DC
COUNTRY: USA
ZIP: 20005-3934
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/023.082A
FILING DATE: 13-FEB-1998

CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/US95/01790
FILING DATE: 14-FEB-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/461,195
FILING DATE: 05-JUN-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 60/023,852
FILING DATE: 13-AUG-1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 60/039,045
FILING DATE: 28-FEB-1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/862,432
FILING DATE: 23-MAY-1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/910,875
FILING DATE: 13-AUG-1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 60/055,561
FILING DATE: 13-AUG-1997
ATTORNEY/AGENT INFORMATION:
NAME: STEFFFE, ERIC K.
REGISTRATION NUMBER: 36,688
REFERENCE/DOCKET NUMBER: 1488.0360008/EKS
TELEPHONE: 202-371-2600
TELEFAX: 202-371-2540
INFORMATION FOR SEQ ID NO: 112:
SEQUENCE CHARACTERISTICS:
LENGTH: 141 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: not relevant
MOLECULE TYPE: protein
US-09-023-082A-112

Query Match 100.0%; Score 748; DB 3; Length 141;
Best Local Similarity 100.0%; Pred. No. 4.4e-79;
Matches 140; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 SYNHLQGDVVRWKLFSTFKYFLKIEKNGKVSCTKENCPSYLSLEITSVEIGWAVKAINS 60
DB 2 SYNHLQGDVVRWKLFSTFKYFLKIEKNGKVSCTKENCPSYLSLEITSVEIGWAVKAINS 61
QY 61 NYILAMNKKGLYSGKEFNNDCKLKERIEENGYNITYASFNNQHNQGRQMYVALNGKGAPRR 120
DB 62 NYILAMNKKGLYSGKEFNNDCKLKERIEENGYNITYASFNNQHNQGRQMYVALNGKGAPRR 121
QY 121 GQTKRKNNTSAHFLPMVHVS 140
DB 122 GQTKRKNNTSAHFLPMVHVS 141

RESULT 3
US-09-218-444-17
Sequence 17, Application US/09218444
Patent No. 623888
GENERAL INFORMATION:
APPLICANT: GENTZ, REINER L.
APPLICANT: Chopra, Arvind
APPLICANT: Kaushal, Parveen
APPLICANT: Spitznagel, Thomas
APPLICANT: Unsworth, Edward
APPLICANT: Khan, Fazal
TITLE OF INVENTION: Keratinocyte Growth Factor-2 Formulations
FILE REFERENCE: 1488.1030001
CURRENT APPLICATION NUMBER: US/09/218.444
CURRENT FILING DATE: 1998-12-22
EARLIER APPLICATION NUMBER: US 60/068,493
EARLIER FILING DATE: 1997-12-22
NUMBER OF SEQ ID NOS: 33

; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 17
; LENGTH: 141
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-218-444-17

Query Match 100.0%; Score 748; DB 3; Length 141;
Best Local Similarity 100.0%; Pred. No. 4.4e-79;
Matches 140; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 SYNHLQGDVVRWKLFSFTKYFLKIEKNGKVGSGTKKENCPSYLSILEITSVGIVVAVKAINS 60
DB 2 SYNHLQGDVVRWKLFSFTKYFLKIEKNGKVGSGTKKENCPSYLSILEITSVGIVVAVKAINS 61

QY 61 NYILAMNKGKLYGSKFENNDCCKLERIEENGYNVTYASFNWQHNGRQMYVALNGKGAPRR 120
DB 62 NYILAMNKGKLYGSKFENNDCCKLERIEENGYNVTYASFNWQHNGRQMYVALNGKGAPRR 121

QY 121 GQTRRKNTSAHFLPMVVS 140
DB 122 GQTRRKNTSAHFLPMVVS 141

RESULT 4
US-09-218-444-33
; Sequence 33, Application US/09218444
; Patent No. 5238888
; GENERAL INFORMATION:
; APPLICANT: Gentz, Reiner L.
; APPLICANT: Chopta, Arvind
; APPLICANT: Kaushal, Parveen
; APPLICANT: Spitznagel, Thomas
; APPLICANT: Unsworth, Edward
; APPLICANT: Khan, Fazal
; TITLE OF INVENTION: Keratinocyte Growth Factor-2 Formulations
; FILE REFERENCE: 1488.1030001
; CURRENT APPLICATION NUMBER: US/09/218,444
; EARLIER FILING DATE: 1998-12-22
; EARLIER FILING DATE: 1997-12-22
; NUMBER OF SEQ ID NOS: 33
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 33
; LENGTH: 141
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-218-444-33

Query Match 100.0%; Score 748; DB 3; Length 141;
Best Local Similarity 100.0%; Pred. No. 4.4e-79;
Matches 140; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 SYNHLQGDVVRWKLFSFTKYFLKIEKNGKVGSGTKKENCPSYLSILEITSVGIVVAVKAINS 60
DB 2 SYNHLQGDVVRWKLFSFTKYFLKIEKNGKVGSGTKKENCPSYLSILEITSVGIVVAVKAINS 61

QY 61 NYILAMNKGKLYGSKFENNDCCKLERIEENGYNVTYASFNWQHNGRQMYVALNGKGAPRR 120
DB 62 NYILAMNKGKLYGSKFENNDCCKLERIEENGYNVTYASFNWQHNGRQMYVALNGKGAPRR 121

QY 121 GQTRRKNTSAHFLPMVVS 140
DB 122 GQTRRKNTSAHFLPMVVS 141

RESULT 5
US-09-248-998-96
; Sequence 96, Application US/09248998
; Patent No. 6599879
; GENERAL INFORMATION:
; APPLICANT: Jimenez, Pablo
; APPLICANT: Rampey, Mark A.

; APPLICANT: Mendrick, Donna
; APPLICANT: Russell, Deborah
; APPLICANT: Louie, Arthur
; TITLE OF INVENTION: Therapeutic Uses of Keratinocyte Growth Factor-2
; FILE REFERENCE: 1488.1060002
; CURRENT APPLICATION NUMBER: US/09/248,998
; CURRENT FILING DATE: 1999-02-12
; EARLIER APPLICATION NUMBER: US 60/114,387
; EARLIER FILING DATE: 30-DEC-1998
; EARLIER APPLICATION NUMBER: US 60/074,585
; EARLIER FILING DATE: 13-FEB-1998
; NUMBER OF SEQ ID NOS: 148
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 96
; LENGTH: 141
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-248-998-96

Query Match 100.0%; Score 748; DB 4; Length 141;
Best Local Similarity 100.0%; Pred. No. 4.4e-79;
Matches 140; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 SYNHLQGDVVRWKLFSFTKYFLKIEKNGKVGSGTKKENCPSYLSILEITSVGIVVAVKAINS 60
DB 2 SYNHLQGDVVRWKLFSFTKYFLKIEKNGKVGSGTKKENCPSYLSILEITSVGIVVAVKAINS 61

QY 61 NYILAMNKGKLYGSKFENNDCCKLERIEENGYNVTYASFNWQHNGRQMYVALNGKGAPRR 120
DB 62 NYILAMNKGKLYGSKFENNDCCKLERIEENGYNVTYASFNWQHNGRQMYVALNGKGAPRR 121

QY 121 GQTRRKNTSAHFLPMVVS 140
DB 122 GQTRRKNTSAHFLPMVVS 141

RESULT 6
US-09-248-998-112
; Sequence 112, Application US/09248998
; Patent No. 6599879
; GENERAL INFORMATION:
; APPLICANT: Jimenez, Pablo
; APPLICANT: Rampey, Mark A.
; APPLICANT: Mendrick, Donna
; APPLICANT: Russell, Deborah
; APPLICANT: Louie, Arthur
; TITLE OF INVENTION: Therapeutic Uses of Keratinocyte Growth Factor-2
; FILE REFERENCE: 1488.1060002
; CURRENT APPLICATION NUMBER: US/09/248,998
; CURRENT FILING DATE: 1999-02-12
; EARLIER APPLICATION NUMBER: US 60/114,387
; EARLIER FILING DATE: 30-DEC-1998
; EARLIER APPLICATION NUMBER: US 60/074,585
; EARLIER FILING DATE: 13-FEB-1998
; NUMBER OF SEQ ID NOS: 148
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 112
; LENGTH: 141
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-248-998-112

Query Match 100.0%; Score 748; DB 4; Length 141;
Best Local Similarity 100.0%; Pred. No. 4.4e-79;
Matches 140; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 SYNHLQGDVVRWKLFSFTKYFLKIEKNGKVGSGTKKENCPSYLSILEITSVGIVVAVKAINS 60
DB 2 SYNHLQGDVVRWKLFSFTKYFLKIEKNGKVGSGTKKENCPSYLSILEITSVGIVVAVKAINS 61

QY 61 NYILAMNKGKLYGSKFENNDCCKLERIEENGYNVTYASFNWQHNGRQMYVALNGKGAPRR 120
DB 62 NYILAMNKGKLYGSKFENNDCCKLERIEENGYNVTYASFNWQHNGRQMYVALNGKGAPRR 121

Qy	121	GKTRRKNTSAHF	140
Db	122	GKTRRKNTSAHF	141

RESULT 7

```

US-09-853-666-17
; Sequence 17, Application US/09853666
; Patent No. 6653284
; GENERAL INFORMATION:
; APPLICANT: Gentz, Reiner L.
; APPLICANT: Chopra, Arvind
; APPLICANT: Kaushal, Parveen
; APPLICANT: Spitznagel, Thomas
; APPLICANT: Unsworth, Edward
; APPLICANT: Khan, Fazal
; TITLE OF INVENTION: Keratinocyte Growth Factor-2 Formulations
; FILE REFERENCE: 1488.1030001
; CURRENT APPLICATION NUMBER: US/09/853,666
; CURRENT FILING DATE: 2001-05-14
; PRIOR APPLICATION NUMBER: 09/218,444
; PRIOR FILING DATE: 1998-12-22
; NUMBER OF SEQ ID NOS: 33
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 17
; LENGTH: 141
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-853-666-17

```

	Query Match	Best Local Similarity	Score	DB 4;	Length	141;
	Matches	Conservative	0;	Mismatches	0;	Gaps
QY	1	SYNHLQDVRWRKLFSTKFLKXIKRQKVGSGTKENCPCYSILEITSVEIGVAVKAINS	60			
DB	2	SYNHLQDVRWRKLFSTKFLKXIKRQKVGSGTKENCPCYSILEITSVEIGVAVKAINS	61			
QY	61	NYLLAMNKKGLYGSKEFNNDCKLERIEBNGYNTYVASEFNWQHRQMYVALNGKAPPR	120			
DB	62	NYLLAMNKKGLYGSKEFNNDCKLERIEBNGYNTYVASEFNWQHRQMYVALNGKAPPR	121			

Qy 121 GQKTRRRKNTSAHFELPMVHS 140
Db 122 GQKTRRRKNTSAHFELPMVHS 141

```

RESULT 8
US-09-853-666-33
; Sequence 33, Application US/09853666
; Patent No. 6653284
; GENERAL INFORMATION:
; APPLICANT: Gentz, Reiner L.
; APPLICANT: Chopra, Arvind
; APPLICANT: Kaushal, Parveen
; APPLICANT: Spitznagel, Thomas
; APPLICANT: Unsworth, Edward
; APPLICANT: Khan, Fazal
; TITLE OF INVENTION: Keratinocyte Growth Factor-2 Formulations
; FILE REFERENCE: 1488 1030001
; CURRENT APPLICATION NUMBER: US/09/853,666
; CURRENT FILING DATE: 2001-05-14
; PRIOR APPLICATION NUMBER: 09/218,444
; PRIOR FILING DATE: 1998-12-22
; NUMBER OF SEQ ID NOS: 33
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 33
; LENGTH: 141
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-853-666-33

```

Query Match	100.0%;	Score 748;	DB 4;	Length 141;
Best Local Similarity	100.0%;	Pred. No. 4.4e-79;		
Matches 140;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;
Qy	1	SYNHLQGQDVRWRKLFSTTKYFLKIKKNGKVSGTGKENCPCYSILEITSVIGVVAVKAINS	60	
Db	2	SYNHLQGQDVRWRKLFSTTKYFLKIKKNGKVSGTGKENCPCYSILEITSVIGVVAVKAINS	61	
Qy	61	NYLLAMNKKGLYSGKEFNNDCKLERIEBENGYNITYASFNMQHNQRQMYVALNGKGPARR	120	
Db	62	NYLLAMNKKGLYSGKEFNNDCKLERIEBENGYNITYASFNMQHNQRQMYVALNGKGPARR	121	
Qy	121	GQTRRKNTSAHFPLPMVVHS	140	
Db	122	GQTRRKNTSAHFPLPMVVHS	141	

RESULT 9

US-09-023-082A-68
Sequence 69, Application US/09023082A
Patent No. 6077692
GENERAL INFORMATION:
APPLICANT: RUBEN, STEVEN M.
APPLICANT: JIMENEZ, PABLO
APPLICANT: DUAN, D. ROXANNE
APPLICANT: RAMPY, MARK A.
APPLICANT: MENDRICK, DONNA
APPLICANT: ZHANG, JUN
APPLICANT: NI, JIAN
APPLICANT: MOORE, PAUL A.
APPLICANT: COLEMAN, TIMOTHY A.
APPLICANT: GRUBER, JOACHIM R.
APPLICANT: DILLON, PATRICK J.
APPLICANT: GENTZ, REINER L.
TITLE OF INVENTION: KERATINOCYTE GROWTH FACTOR-2
NUMBER OF SEQUENCES: 148
CORRESPONDENCE ADDRESS:
ADDRESSEE: STERNB, KESSLER, GOLDSTEIN & FOX, P.L.L.C.
STREET: 1100 NEW YORK AVE, NW, SUITE 600
CITY: WASHINGTON
STATE: DC
COUNTRY: USA
ZIP: 20005-3934
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/023,082A
FILING DATE: 13-FEB-1998
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/US95/01790
FILING DATE: 14-FEB-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/461,195
FILING DATE: 05-JUN-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 60/023,852
FILING DATE: 13-AUG-1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 60/039,045
FILING DATE: 28-FEB-1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/862,432
FILING DATE: 23-MAY-1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/910,875
FILING DATE: 13-AUG-1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 60/055,561
FILING DATE: 13-AUG-1997

```

; ATTORNEY/AGENT INFORMATION:
; NAME: STEFFE, ERIC K.
; REGISTRATION NUMBER: 36,688
; REFERENCE/DOCKET NUMBER: 1488.0360008/EKS
; TELEPHONE: 202-371-2600
; TELEFAX: 202-371-2540
; INFORMATION FOR SEQ ID NO: 68:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 147 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-09-023-082A-68

Query Match 100.0%; Score 748; DB 3; Length 147;
Best Local Similarity 100.0%; Pred. No. 4.7e-79;
Matches 140; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 SYNHLQGDVVRWKLFSFTKYFLKIEKNGKVGTKKENCPSYLEITSVIGVAVKAINS 60
Db 8 SYNHLQGDVVRWKLFSFTKYFLKIEKNGKVGTKKENCPSYLEITSVIGVAVKAINS 67
QY 61 NYILAMNKKGLYSGKEFNNDCKLKERIEENGNTYASFNWQHNGRMQYVALNGKGAPRR 120
Db 68 NYILAMNKKGLYSGKEFNNDCKLKERIEENGNTYASFNWQHNGRMQYVALNGKGAPRR 127
QY 121 GQTRKNTSAHFLPMVYVHS 140
Db 128 GQTRKNTSAHFLPMVYVHS 147

RESULT 10
US-09-248-998-68
; Sequence 68, Application US/09248998
; Patent No. 659879
; GENERAL INFORMATION:
; APPLICANT: Jimenez, Pablo
; APPLICANT: Rampy, Mark A.
; APPLICANT: Mendrick, Donna
; APPLICANT: Russell, Deborah
; APPLICANT: Louie, Arthur
; TITLE OF INVENTION: Therapeutic Uses of Keratinocyte Growth Factor-2
; FILE REFERENCE: 1488.1060002
; CURRENT APPLICATION NUMBER: US/09/248,998
; CURRENT FILING DATE: 1999-02-12
; EARLIER APPLICATION NUMBER: US 60/114,387
; EARLIER FILING DATE: 30-DEC-1998
; EARLIER APPLICATION NUMBER: US 60/074,585
; EARLIER FILING DATE: 13-FEB-1998
; NUMBER OF SEQ ID NOS: 148
; SOFTWARE: Patent in Ver. 2.0
; SEQ ID NO 68
; LENGTH: 147
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-248-998-68

Query Match 100.0%; Score 748; DB 4; Length 147;
Best Local Similarity 100.0%; Pred. No. 4.7e-79;
Matches 140; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

2Y 1 SYNHLQGDVVRWKLFSFTKYFLKIEKNGKVGTKKENCPSYLEITSVIGVAVKAINS 60
2b 8 SYNHLQGDVVRWKLFSFTKYFLKIEKNGKVGTKKENCPSYLEITSVIGVAVKAINS 67
2Y 61 NYILAMNKKGLYSGKEFNNDCKLKERIEENGNTYASFNWQHNGRMQYVALNGKGAPRR 120
2b 68 NYILAMNKKGLYSGKEFNNDCKLKERIEENGNTYASFNWQHNGRMQYVALNGKGAPRR 127
2Y 121 GQTRKNTSAHFLPMVYVHS 140
2b 128 GQTRKNTSAHFLPMVYVHS 147
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```

RESULT 11
US-09-023-082A-116
; Sequence 116, Application US/09023082A
; Patent No. 6077692
; GENERAL INFORMATION:
; APPLICANT: RUBEN, STEVEN M.
; APPLICANT: JIMENEZ, PABLO
; APPLICANT: DUAN, D. ROXANNE
; APPLICANT: RAMPY, MARK A.
; APPLICANT: MENDRICK, DONNA
; APPLICANT: ZHANG, JUN
; APPLICANT: NI, JIAN
; APPLICANT: MOORE, PAUL A.
; APPLICANT: COLEMAN, TIMOTHY A.
; APPLICANT: GRUBER, JOACHIM R.
; APPLICANT: DILLON, PATRICK J.
; APPLICANT: GENTZ, REINER L.
; TITLE OF INVENTION: KERATINOCYTE GROWTH FACTOR-2
; NUMBER OF SEQUENCES: 148
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: STERNE, KESSLER, GOLDSTEIN & FOX, P.L.L.C.
; STREET: 1100 NEW YORK AVE, NW, SUITE 600
; CITY: WASHINGTON
; STATE: DC
; COUNTRY: USA
; ZIP: 20005-3934
; COMPUTER READABLE FORM: disk
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/023,082A
; FILING DATE: 13-FEB-1998
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/US95/01790
; FILING DATE: 14-FEB-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/461,195
; FILING DATE: 05-JUN-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 60/023,852
; FILING DATE: 13-AUG-1996
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 60/039,045
; FILING DATE: 28-FEB-1997
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/862,432
; FILING DATE: 23-MAY-1997
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/910,875
; FILING DATE: 13-AUG-1997
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 60/055,561
; FILING DATE: 13-AUG-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: STEFFE, ERIC K.
; REGISTRATION NUMBER: 36,688
; REFERENCE/DOCKET NUMBER: 1488.0360008/EKS
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-371-2600
; TELEFAX: 202-371-2540
; INFORMATION FOR SEQ ID NO: 116:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 171 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: not relevant
; MOLECULE TYPE: protein
US-09-023-082A-116
```

Query Match 100.0%; Score 748; DB 3; Length 171;
Best Local Similarity 100.0%; Pred. No. 5.8e-79;
Matches 140; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 SYNHLQDVVRWKLFSFTKYFLKIEKNGKVGSTKKNCPYSILEITSVIGVAVKAINS 60
DB 32 SYNHLQDVVRWKLFSFTKYFLKIEKNGKVGSTKKNCPYSILEITSVIGVAVKAINS 91

QY 61 NYILAMNKKGLYGSKEFNNDCKLKERIEENGNTYASFNWQHNGROMYVALNGKAPRR 120
DB 92 NYILAMNKKGLYGSKEFNNDCKLKERIEENGNTYASFNWQHNGROMYVALNGKAPRR 151

QY 121 GQTRRKNTSAHFLPMVHS 140
DB 152 GQTRRKNTSAHFLPMVHS 171

RESULT 12
US-09-248-998-116
Sequence 116, Application US/09248998
Patent No. 6599879
GENERAL INFORMATION:
APPLICANT: Jimenez, Pablo
APPLICANT: Rampey, Mark A.
APPLICANT: Mendrick, Donna
APPLICANT: Russell, Deborah
APPLICANT: Louie, Arthur
TITLE OF INVENTION: Therapeutic Uses of Keratinocyte Growth Factor-2
FILE REFERENCE: 1488 1060002
CURRENT APPLICATION NUMBER: US/09/248,998
CURRENT FILING DATE: 1999-02-12
EARLIER APPLICATION NUMBER: US 60/114,387
EARLIER FILING DATE: 30-DEC-1998
EARLIER APPLICATION NUMBER: US 60/074,595
EARLIER FILING DATE: 13-FEB-1998
NUMBER OF SEQ ID NOS: 148
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 116
LENGTH: 171
TYPE: PRT
ORGANISM: Homo sapiens
US-09-248-998-116

Query Match 100.0%; Score 748; DB 4; Length 171;
Best Local Similarity 100.0%; Pred. No. 5.8e-79;
Matches 140; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 SYNHLQDVVRWKLFSFTKYFLKIEKNGKVGSTKKNCPYSILEITSVIGVAVKAINS 60
DB 32 SYNHLQDVVRWKLFSFTKYFLKIEKNGKVGSTKKNCPYSILEITSVIGVAVKAINS 91

QY 61 NYILAMNKKGLYGSKEFNNDCKLKERIEENGNTYASFNWQHNGROMYVALNGKAPRR 120
DB 92 NYILAMNKKGLYGSKEFNNDCKLKERIEENGNTYASFNWQHNGROMYVALNGKAPRR 151

QY 121 GQTRRKNTSAHFLPMVHS 140
DB 152 GQTRRKNTSAHFLPMVHS 171

RESULT 13
US-09-023-082A-43
Sequence 43, Application US/09023082A
Patent No. 607692
GENERAL INFORMATION:
APPLICANT: RUBEN, STEVEN M.
APPLICANT: JIMENEZ, PABLO
APPLICANT: DUAN, D. ROXANNE
APPLICANT: RAMPEY, MARK A.
APPLICANT: MENDRICK, DONNA
APPLICANT: ZHANG, JUN
APPLICANT: NI, JIAN

APPLICANT: MOORE, PAUL A.
APPLICANT: COLEMAN, TIMOTHY A.
APPLICANT: GRUBER, JOACHIM R.
APPLICANT: DILLON, PATRICK J.
APPLICANT: GENTZ, REINER L.
TITLE OF INVENTION: KERATINOCYTE GROWTH FACTOR-2
NUMBER OF SEQUENCES: 148
CORRESPONDENCE ADDRESS:
ADDRESSEE: STERNE, KESSLER, GOLDSTEIN & FOX, P.L.L.C.
STREET: 1100 NEW YORK AVE, NW, SUITE 600
CITY: WASHINGTON
STATE: DC
COUNTRY: USA
ZIP: 20005-3934
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/023,082A
FILING DATE: 13-FEB-1998
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/US95/01790
FILING DATE: 14-FEB-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/461,195
FILING DATE: 05-JUN-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 60/023,852
FILING DATE: 13-AUG-1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 60/039,045
FILING DATE: 28-FEB-1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/862,432
FILING DATE: 23-MAY-1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/910,875
FILING DATE: 13-AUG-1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 60/055,561
FILING DATE: 13-AUG-1997
ATTORNEY/AGENT INFORMATION:
NAME: STEFFE, ERIC K.
REGISTRATION NUMBER: 36,688
REFERENCE/DOCKET NUMBER: 1488.0360008/EKS
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-371-2600
TELEFAX: 202-371-2540
INFORMATION FOR SEQ ID NO: 43:
SEQUENCE CHARACTERISTICS:
LENGTH: 174 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-09-023-082A-43

Query Match 100.0%; Score 748; DB 3; Length 174;
Best Local Similarity 100.0%; Pred. No. 5.9e-79;
Matches 140; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 SYNHLQDVVRWKLFSFTKYFLKIEKNGKVGSTKKNCPYSILEITSVIGVAVKAINS 60
DB 35 SYNHLQDVVRWKLFSFTKYFLKIEKNGKVGSTKKNCPYSILEITSVIGVAVKAINS 94

QY 61 NYILAMNKKGLYGSKEFNNDCKLKERIEENGNTYASFNWQHNGROMYVALNGKAPRR 120
DB 95 NYILAMNKKGLYGSKEFNNDCKLKERIEENGNTYASFNWQHNGROMYVALNGKAPRR 154

QY 121 GQTRRKNTSAHFLPMVHS 140
|||||

Db 155 GQTRKNTSAHFLPMVHS 174

RESULT 14

US-09-023-082A-55

; Sequence 55, Application US/09023082A

; Patent No. 6077692

; GENERAL INFORMATION:

; APPLICANT: RUBEN, STEVEN M.

; APPLICANT: JIMENEZ, PABLO

; APPLICANT: DUAN, D. ROXANNE

; APPLICANT: RAMPEY, MARK A.

; APPLICANT: MENDRICK, DONNA

; APPLICANT: ZHANG, JUN

; APPLICANT: NI, JIAN

; APPLICANT: MOORE, PAUL A.

; APPLICANT: COLEMAN, TIMOTHY A.

; APPLICANT: GRUBER, JOACHIM R.

; APPLICANT: DILLON, PATRICK J.

; APPLICANT: GENTZ, REINER L.

; TITLE OF INVENTION: KERATINOCYTE GROWTH FACTOR-2

; NUMBER OF SEQUENCES: 148

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: STERNE, KESSLER, GOLDSTEIN & FOX, P.L.L.C.

; STREET: 1100 NEW YORK AVE, NW, SUITE 600

; CITY: WASHINGTON

; STATE: DC

; COUNTRY: USA

; ZIP: 20005-3934

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: Patent In Release #1.0, Version #1.30

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/09/023,082A

; FILING DATE: 13-FEB-1998

; CLASSIFICATION: 435

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: PCT/US95/01790

; FILING DATE: 14-FEB-1995

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: US 08/461,195

; FILING DATE: 05-JUN-1995

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: US 60/023,852

; FILING DATE: 13-AUG-1996

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: US 60/039,045

; FILING DATE: 28-FEB-1997

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: US 08/862,432

; FILING DATE: 23-MAY-1997

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: US 08/910,875

; FILING DATE: 13-AUG-1997

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: US 60/055,561

; FILING DATE: 13-AUG-1997

; ATTORNEY/AGENT INFORMATION:

; NAME: STEFFEE, ERIC K.

; REGISTRATION NUMBER: 36,688

; REFERENCE/DOCKET NUMBER: 1488.0360008/EKS

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: 202-371-2600

; TELEFAX: 202-371-2540

; INFORMATION FOR SEQ ID NO: 55:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 174 amino acids

; TYPE: amino acid

; TOPOLOGY: linear

; MOLECULE TYPE: protein

US-09-023-082A-55

Query Match 100.0%; Score 748; DB 3; Length 174;

Best Local Similarity 100.0%; Pred. No. 5.9e-79;

Matches 140; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 SYNHLQGDVVRWRLKFSFTKYFLKIKNGKVSCTKKKCPYSILEITSVGIVAVKAINS 60

Db 35 SYNHLQGDVVRWRLKFSFTKYFLKIKNGKVSCTKKKCPYSILEITSVGIVAVKAINS 94

Qy 61 NYLANKKKGLYSGKEFNNDCKLKERIEENGYNTRYASFNHCHGROMYVALNGKAPRR 120

Db 95 NYLANKKKGLYSGKEFNNDCKLKERIEENGYNTRYASFNHCHGROMYVALNGKAPRR 154

Qy 121 GQTRKNTSAHFLPMVHS 140

Db 155 GQTRKNTSAHFLPMVHS 174

RESULT 15

US-09-023-082A-66

; Sequence 66, Application US/09023082A

; Patent No. 6077692

; GENERAL INFORMATION:

; APPLICANT: RUBEN, STEVEN M.

; APPLICANT: JIMENEZ, PABLO

; APPLICANT: DUAN, D. ROXANNE

; APPLICANT: RAMPEY, MARK A.

; APPLICANT: MENDRICK, DONNA

; APPLICANT: ZHANG, JUN

; APPLICANT: NI, JIAN

; APPLICANT: MOORE, PAUL A.

; APPLICANT: COLEMAN, TIMOTHY A.

; APPLICANT: GRUBER, JOACHIM R.

; APPLICANT: DILLON, PATRICK J.

; APPLICANT: GENTZ, REINER L.

; TITLE OF INVENTION: KERATINOCYTE GROWTH FACTOR-2

; NUMBER OF SEQUENCES: 148

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: STERNE, KESSLER, GOLDSTEIN & FOX, P.L.L.C.

; STREET: 1100 NEW YORK AVE, NW, SUITE 600

; CITY: WASHINGTON

; STATE: DC

; COUNTRY: USA

; ZIP: 20005-3934

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: Patent In Release #1.0, Version #1.30

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/09/023,082A

; FILING DATE: 13-FEB-1998

; CLASSIFICATION: 435

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: PCT/US95/01790

; FILING DATE: 14-FEB-1995

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: US 08/461,195

; FILING DATE: 05-JUN-1995

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: US 60/023,852

; FILING DATE: 13-AUG-1996

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: US 60/039,045

; FILING DATE: 28-FEB-1997

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: US 08/862,432

; FILING DATE: 23-MAY-1997

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: US 08/910,875

; FILING DATE: 13-AUG-1997

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: US 60/055,561

; FILING DATE: 13-AUG-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: STEFFEE, ERIC K.
; REGISTRATION NUMBER: 36,688
; REFERENCE/DOCKET NUMBER: 1488.0360008/EKS
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-371-2600
; TELEFAX: 202-371-2540
; INFORMATION FOR SEQ ID NO: 66:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 174 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: Protein
; US-09-023-082A-66

Query Match	100.0%;	Score 748;	DB 3;	Length 174;
Best Local Similarity	100.0%;	Pred. No. 5.9e-79;		
Matches 140;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;

QY	1	SYNHLQGDVVRWEKLFSTKYFLKIEKNGKVSQTKKENCPSYILSITSVELGVVAVKAINS	60
Db	35	SYNHLQGDVVRWEKLFSTKYFLKIEKNGKVSQTKKENCPSYILSITSVELGVVAVKAINS	94
QY	61	NYLLAMNKKGLYGSKEFNNDCKLKERIEENGYNITYASFNWQHNGROMYVALNGKGAPRR	120
Db	95	NYLLAMNKKGLYGSKEFNNDCKLKERIEENGYNITYASFNWQHNGROMYVALNGKGAPRR	154
QY	121	GOKTRKNTSAHFLPMVVHS	140
Db	155	GOKTRKNTSAHFLPMVVHS	174

Search completed: March 26, 2004, 04:51:05
Job time : 42 secs